

24 OCT 1994

Ref: 93-F-0037

Mr. James Burrus  
Greenpeace  
1436 U Street NW  
Washington, DC 20009

Dear Mr. Burrus:

This responds to item number three of your June 12, 1992, Freedom of Information Act (FOIA) request. Your letter is addressed to the Air Force. Item three pertains to a Joint Chiefs of Staff/Air Force briefing to the Commander in Chief, United States Central Command, on August 17, 1990. The Air Force referred your letter to us for FOIA processing related to item three. Our January 11, 1993, interim response refers.

The Joint Staff has provided the enclosed record as responsive to item three. There are no chargeable costs for processing this request.

Sincerely,

**SIGNED**

A. H. Passarella  
Acting Director  
Freedom of Information  
and Security Review

Enclosure:  
As stated

Prepared by Kahn:3F0037L1gr:10/24/94:DFOI:X71160:gr✓pk\_y1\_wh\_

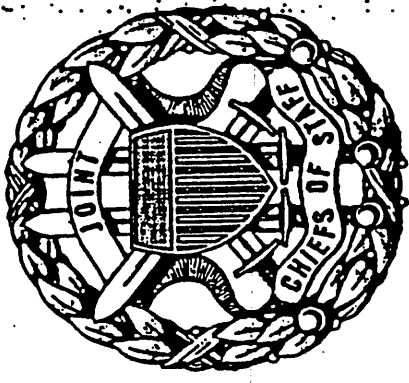
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# IRAQI AIR CAMPAIGN INSTANT THUNDER



Declassified by Joint Staff  
Date 13 Oct 94  
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DATE 13 OCT 1994

AUTHORITY JOINT STAFF - O.A. 100  
DECLAS ON: \_\_\_\_\_

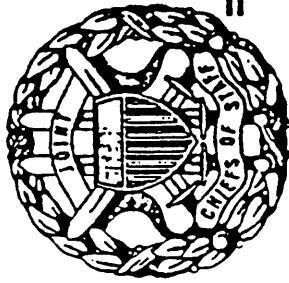
OFFICE OF THE USA	
TO THE SECRETARY OF DEFENSE	
Case No.	<u>R-1</u>
Case No.	<u>93-F-0037</u>
U.S. No.	<u>93-15-001</u>
Document No.	<u>1</u>

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# *IRAQ AIR CAMPAIGN INSTANT THUNDER*

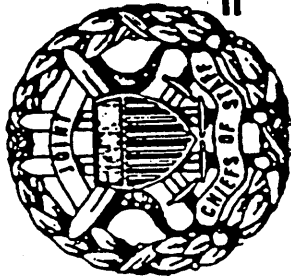
**WHAT IT IS: A FOCUSED, INTENSE AIR CAMPAIGN  
DESIGNED TO INCAPACITATE IRAQI  
LEADERSHIP AND DESTROY KEY IRAQI  
MILITARY CAPABILITY, IN A SHORT  
PERIOD OF TIME.**

**AND IT IS  
DESIGNED TO LEAVE BASIC IRAQI  
INFRASTRUCTURE INTACT**

**WHAT IT IS NOT: A GRADUATED, LONG - TERM  
CAMPAIGN PLAN DESIGNED TO PROVIDE  
ESCALATION OPTIONS TO COUNTER IRAQI  
MOVES.**

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# WHY ?

- SEIZE THE INITIATIVE - ATTACK HEART OF THE PROBLEM

- EXECUTABLE IN THE NEAR TERM

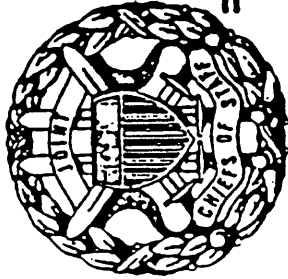


TIME IS ON HIS SIDE

- AVOID PROLONGED GROUND COMBAT/LOSSES

- PROVIDE FRIENDLY ARAB STATES ABILITY TO CONDUCT FOLLOW-ON OPERATIONS/ RECONSTITUTION

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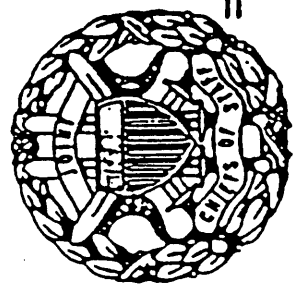
# STRATEGY ELEMENTS

- ISOLATE HUSSEIN
- ELIMINATE IRAQI OFFENSIVE AND DEFENSIVE CAPABILITY
- INCAPACITATE NATIONAL LEADERSHIP
- REDUCE THREAT TO FRIENDLY NATIONS
- MINIMIZE DAMAGE TO ENHANCE REBUILDING

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# STRATEGIC AIR CAMPAIGN INSTANT THUNDER

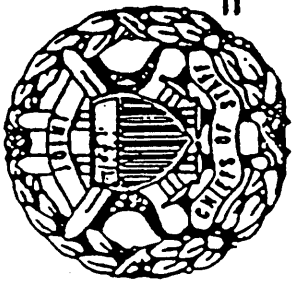
**CONCEPT OF OPERATIONS:** Conduct powerful and focused attacks on strategic centers of gravity in Iraq over a short period of time (days not weeks)

- Target Hussein regime, not Iraqi people
- Minimize civilian casualties and collateral damage
- Minimize American and allied losses
- Pit U.S. strengths against Iraqi weaknesses

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# FOCUS: WHAT WE WOULD TARGET



## LEADERSHIP

- HUSSEIN REGIME
- INCAPACITATE
- TELECOMMUNICATIONS AND C3
- CIVIL
- MILITARY

## KEY PRODUCTION

- ELECTRICITY
- OIL
- ONLY INTERNAL DISTRIBUTION AND STORAGE
- NOT PRODUCTION, EXPORT CAPABILITY

- NUCLEAR, BIOLOGICAL, CHEMICAL RESEARCH FACILITY
- MILITARY RESEARCH, PRODUCTION AND STORAGE

## INFRA-STRUCTURE

- ONLY RAILROADS

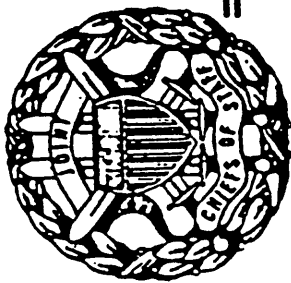
## POPULATION

- PSYOPS
- IRAQIS
- FOREIGN WORKERS
- SOLDIERS IN KUWAIT

## FIELDED FORCE

- DESTROY STRAT AIR DEFENSE
- DESTROY STRAT OFFENSE
- BOMBERS
- MISSILES

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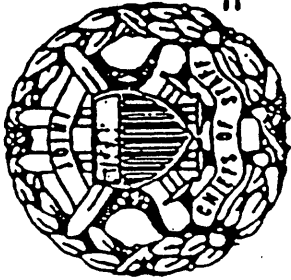
# HOW WE EFFECT THE STRATEGY

- EMPLOY PSYOPS & DECEPTION
- GAIN AIR SUPERIORITY
  - DESTROY HIS DEFENSES
  - ATTACK HIS AIRFIELDS
  - ATTRIT HIS FORCES WITH DEFENSIVE COUNTER - AIR AND OFFENSIVE COUNTER-AIR SWEEP
- ATTACK A SELECT STRATEGIC TARGET SET
  - LEADERSHIP
  - C<sup>2</sup>
  - KEY INTERNAL PRODUCTION & DISTRIBUTION
  - NUCLEAR, BIOLOGICAL, CHEMICAL
  - OFFENSIVE AIR & MISSILE CAPABILITY
- EMPHASIZE PRECISION MUNITIONS

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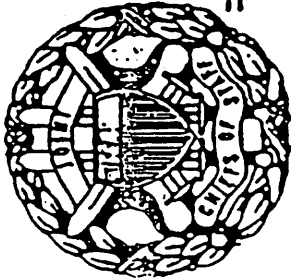




## ESSENTIAL TARGET SETS

- Strategic Air Defense
- Render Iraq defenseless and minimize threat to friendly forces
- Strategic Offense Capability
- Reduce threat to adjacent states . . . now and in the future
- Hussein Regime
- The most important center of gravity
- Telecommunications and C3
- Rupture Hussein's link to people and military

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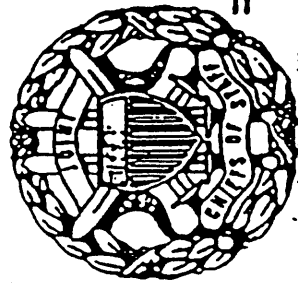


## ESSENTIAL TARGET SETS (Cont'd)

- Electricity
  - Cripple production and create confusion
- Oil (refined products)
  - Paralyze domestic and military internal movement
- Railroads
  - Complicate movement of goods and services
- Nuclear/Biological/Chemical Research Facility
  - Reduce long-term international threat
- Military Research, Production and Storage
  - Limit offensive capability -- short and long-term

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# TARGET CATEGORIES



- STRATEGIC AIR DEFENSE - 10
- STRATEGIC CHEMICAL - 8
- NATIONAL LEADERSHIP - 5
- TELECOMMUNICATIONS - 19
- ELECTRICITY - 10
- OIL (INTERNAL CONSUMPTION) - 6
- RAILROADS - 3
- AIRFIELDS - 7
- PORTS - 1
- MILITARY/SUPPORT PRODUCTION & STORAGE DEPOTS - 15

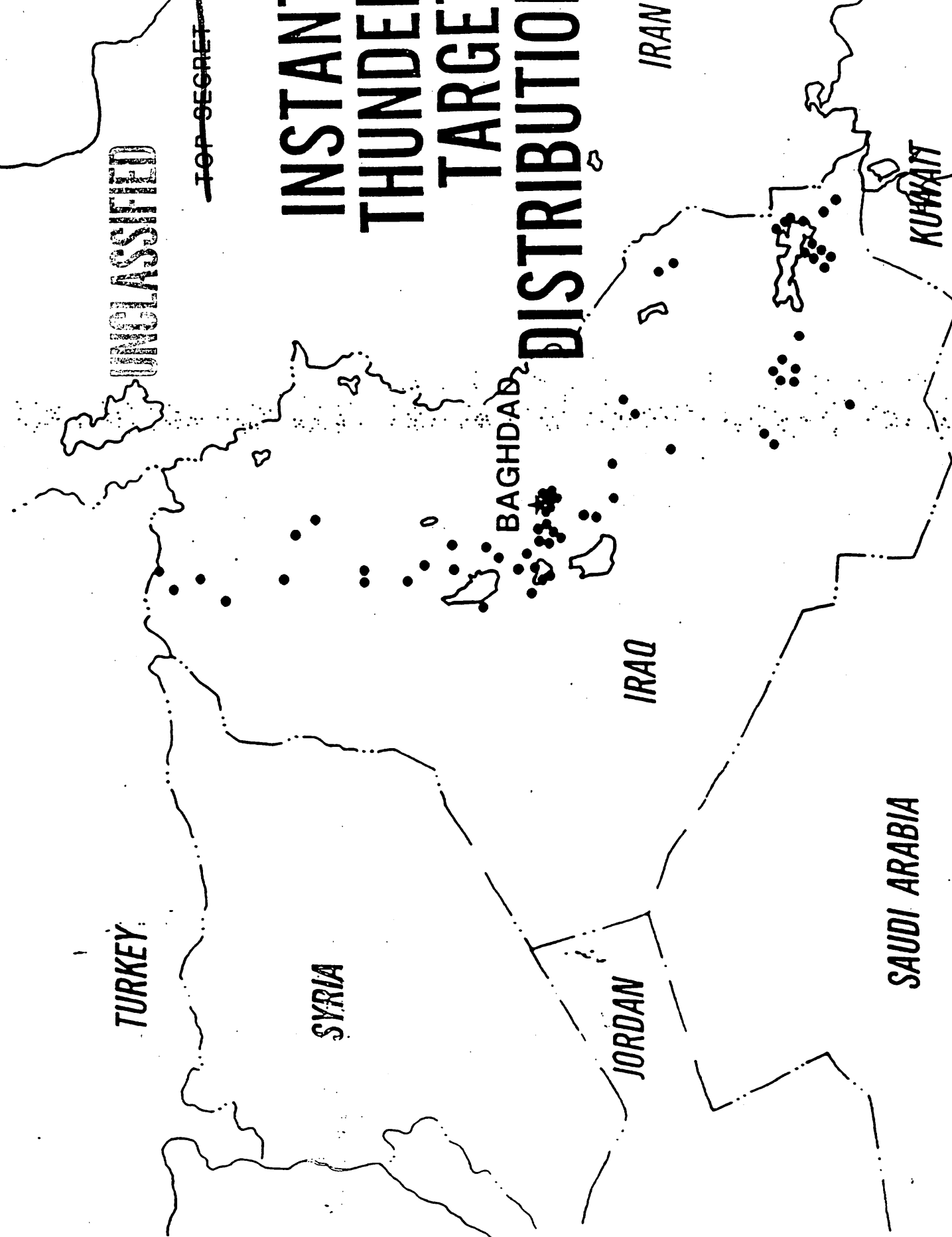
TOTAL TARGETS: 84

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# INSTANT THUNDER TARGET DISTRIBUTION



TURKEY

SYRIA

JORDAN

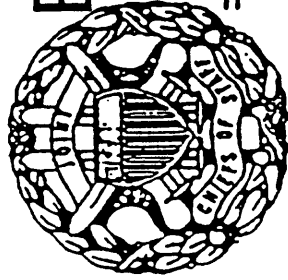
IRAQ

SAUDI ARABIA

IRAN

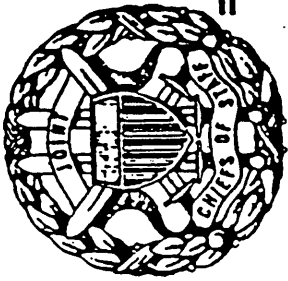
KUWAIT

BAGHDAD



## EXPECTED STRIKE RESULTS

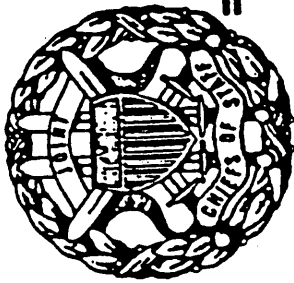
- Strategic Air Defense - Destroyed
- Strategic Chemical - Long Term Setback
- National Leadership - Incapacitated
- Telecommunications - Disrupted/Degraded
- Electricity - 60 Percent Baghdad, 35 Percent Country
- Oil (Internal Consumption) - 70 Percent
- Railroads - Disrupted/Degraded
- Airfields - Disrupted/Degraded
- Ports - Disrupted
- Key military Production/Storage - Disrupted/Degraded



# **INTENSITY: WHAT WE WOULD USE**

- US AIR FORCE, NAVY, MARINE
- LONG RANGE CONVENTIONAL BOMBERS
  - 2 B-52 SQUADRONS
  - 1 F-111 SQUADRON
  - 1 F-15 SQUADRON
- 32 FIGHTER/ATTACK SQUADRONS
- SPECIALIZED AIRCRAFT
  - 1 F-117 SQUADRON
  - 3+ DEFENSIVE SUPPRESSION SQUADRONS
  - COMPASS CALL
  - AWACS
- TLAM
- PSYCHOLOGICAL OPERATIONS
  - VOLANT SOLO
- MULTI-NATIONAL AIR FORCES INTEGRATED WHERE POSSIBLE

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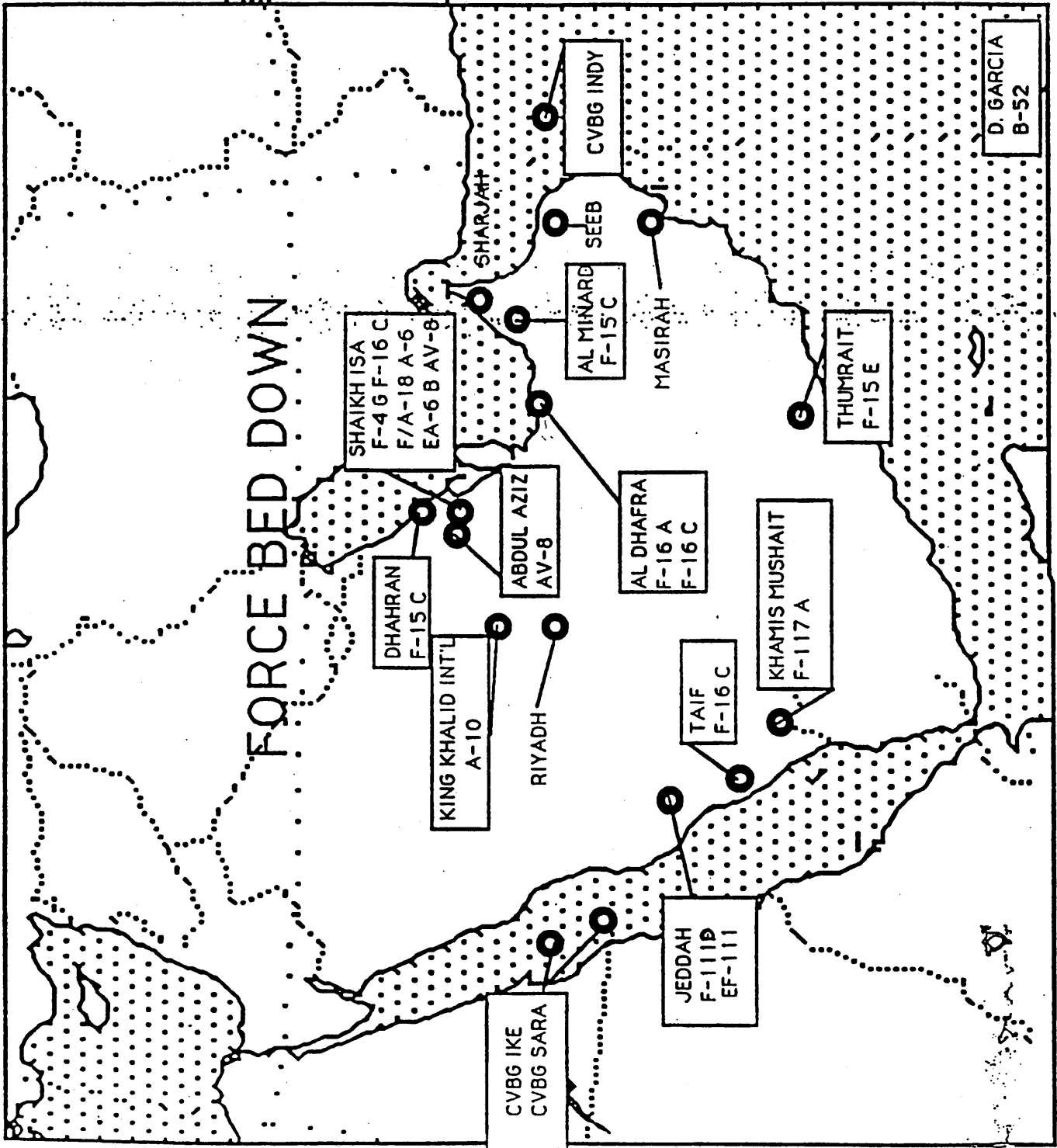
# *INTENSITY: HOW WE WOULD USE IT*

- ROUND THE CLOCK OPERATIONS
- INITIATED BY MULTI-AXIS, MULTI-TARGET NIGHT STRIKE
- FOLLOW-ON MULTI TARGET ATTACK SAME NIGHT
- THEREAFTER, 1 STRIKE PER PERIOD (AM/PM/NIGHT)
- APPROX 6 DAYS DURATION
  - 1200 SORTIES DAY 1
  - 900 SORTIES/DAY, DAYS 2-6

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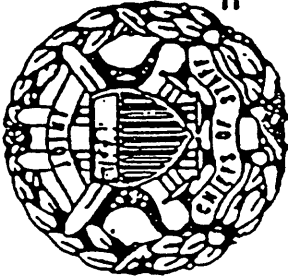
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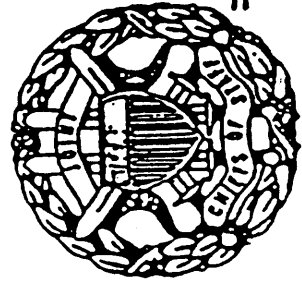
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# TARGETING PRIORITIES

- DAY 1 & 2: Coverage of Strategic Target List
- DAY 3 & 4: Reattack of Strategic Target List  
Based on BDA With Emphasis on OCA Targets
- DAY 5 & 6: Maximum Effort Against Chemical Production  
and Military Support Infrastructure



# EXECUTION PLAN

- Initiate with Night Attack (2 Waves)
  - Wave 1 - One hour post-sunset (163 sorties)
    - SEAD Packages
    - Air Defense, C2, Airfields
    - Chemical, OCA/Leadership
    - LRBs impact as aircraft egress (timing GPS dependent)
  - Wave 2 - One hour pre-sunrise (131 sorties)
    - SEAD Packages
    - Airfields/south
    - Chemical/Leadership
- Follow-on: One strike per period (AM/PM/Night)
  - Deconfliction
  - USAF - Western Baghdad & Central Iraq
  - USN - Eastern Baghdad (Red Sea CVBG)  
Southeast area (Independence)
  - USMC - Southern and Central target set



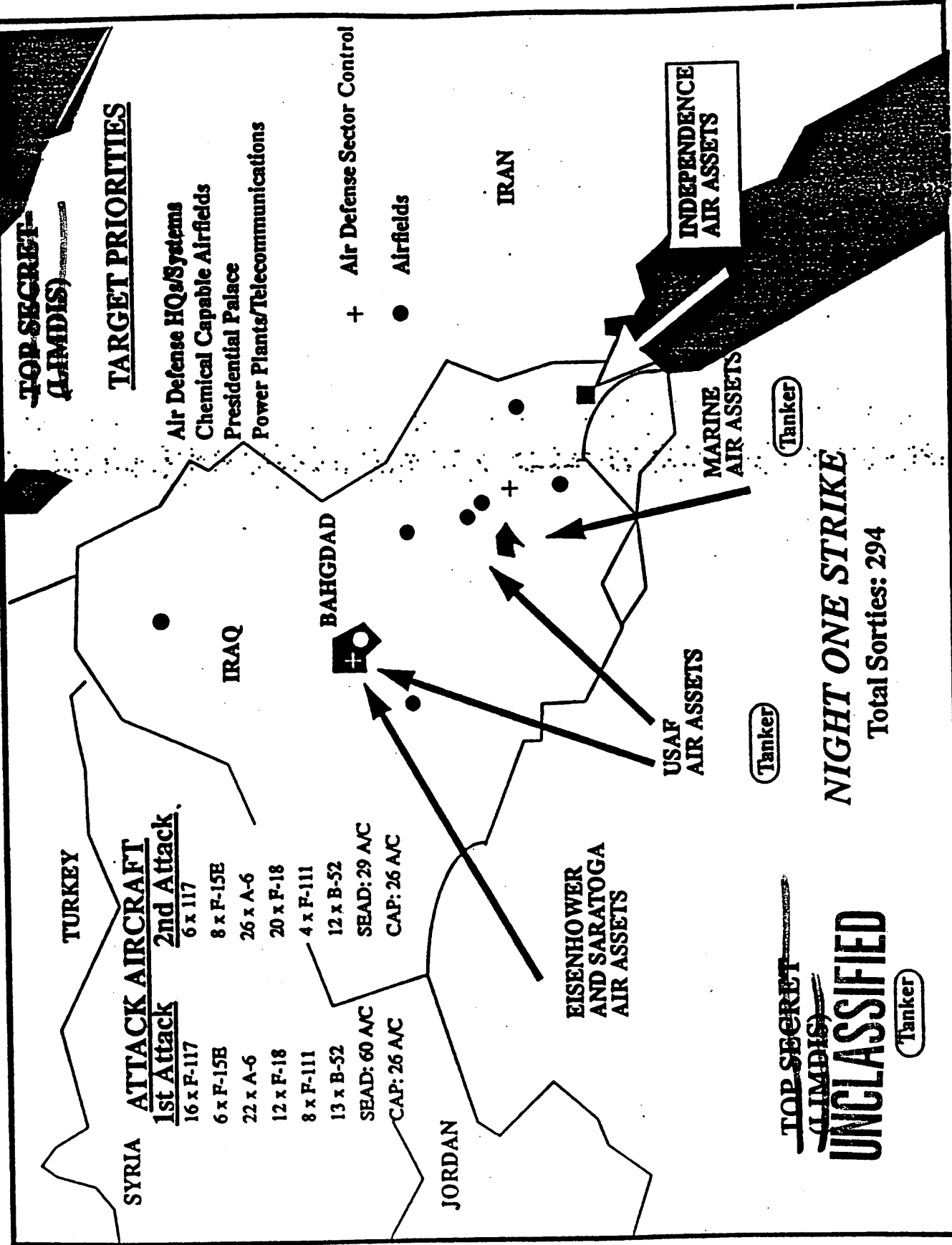
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**TARGET PRIORITIES**

- Air Defense HQ/Systems
- Chemical Capable Airfields
- Presidential Palace
- Power Plants/Telecommunications

- + Air Defense Sector Control
- Airfields



TURKEY

**SYRIA ATTACK AIRCRAFT**

1st Attack

- 16 x F-117
- 6 x F-15B
- 22 x A-6
- 12 x F-18
- 8 x F-111
- 13 x B-52
- SEAD: 60 A/C
- CAP: 26 A/C

2nd Attack

- 6 x 117
- 8 x F-15B
- 26 x A-6
- 20 x F-18
- 4 x F-111
- 12 x B-52
- SEAD: 29 A/C
- CAP: 26 A/C

JORDAN

EISENHOWER  
AND SARATOGA  
AIR ASSETS

USAF  
AIR ASSETS

MARINE  
AIR ASSETS

INDEPENDENCE  
AIR ASSETS

Tanker

Tanker

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**NIGHT ONE STRIKE**

Total Sorties: 294

Tanker

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IRAN

# AIR SUPERIORITY

HVAA and Barrier CAPs are manned 24 hours. During A.M. and P.M. periods Saudis man West HVAA Cap. Marines alternate Barrier CAP with USAF. In addition to CAPs, aircraft are on alert at airfields.

TURKEY

## Air Superiority Assets

DCA/OCA/SWEEP CARRIER EL DEE

72 x USAF F-15 56 x F-14 16 x U.K. F3

18 x MARINE F-18 20 x SAUDI F3

44 x SAUDI F-15 88 x Saudi F-5

IRAQ

BAHGADAD

SAM Ring

F-15 CID/OCA/Force Protection (A.M. & P.M. Strikes)

SYRIA

JORDAN

HVAA CAP



AWACS

ABCCC



AWACS



HVAA CAP



Barrier CAP



F-14 CAPs

HA'IL

E-2C

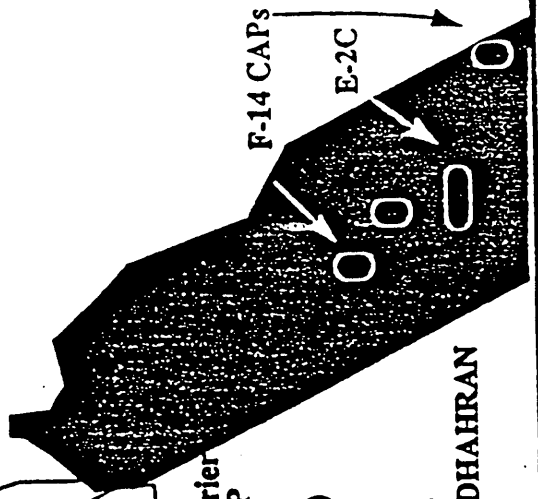


• RYADH

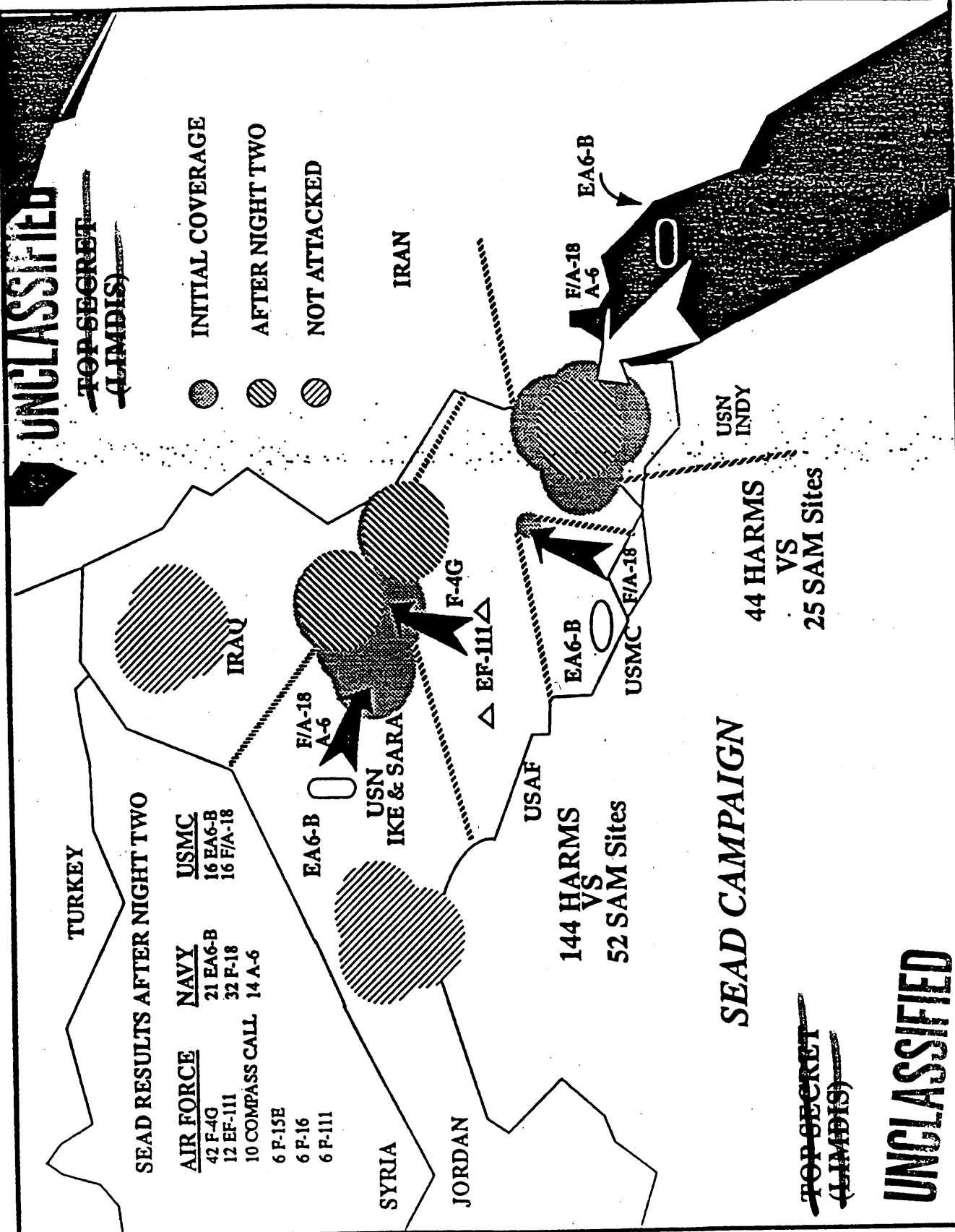
• DHARAN

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~~(S/MDIS)~~

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(LIMBIS)



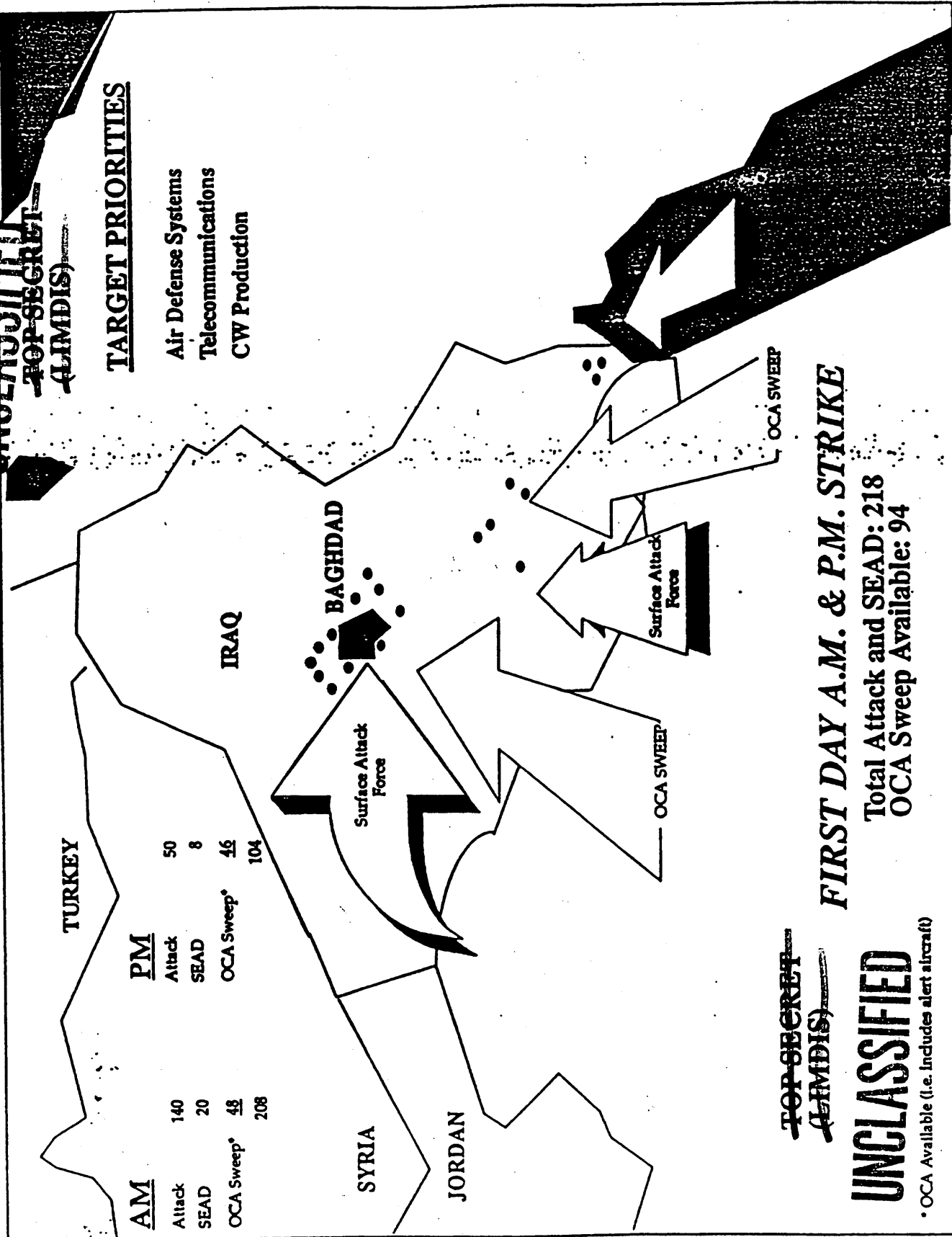
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(LIMBIS)

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(A) (M) (D) (S)

TARGET PRIORITIES

- Air Defense Systems
- Telecommunications
- CW Production



	<u>AM</u>		<u>PM</u>	
Attack	140	50	8	104
SEAD	20	8	46	
OCA Sweep*	48	46		
	208			

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~~(A) (M) (D) (S)~~

**FIRST DAY A.M. & P.M. STRIKE**

Total Attack and SEAD: 218  
OCA Sweep Available: 94

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\* OCA Available (i.e. Includes alert aircraft)

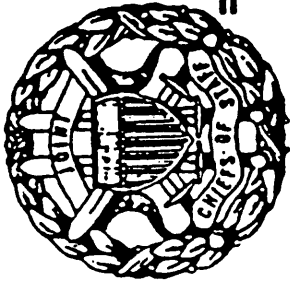
UPDATE AS OF: 16 AUG 2000L

WAVE TARGET BEN TGT TGT DESCRIPTION A/C A/C MSN FLOW QTY TYPE

DAY 1

AVE NIGHT1

WAVE	TARGET BEN	TGT	TGT DESCRIPTION	A/C	MSN	FLOW
NIGHT1	0427-08023	A02	BAGHDAD - SEAD	A6	2	SEAD 001
NIGHT1	0427-08023	A02	BAGHDAD - SEAD	A6	3	SEAD 001
NIGHT1	0427-08023	A02	BAGHDAD - SEAD	EA6B	2	SEAD 001
NIGHT1	0427-08023	A02	BAGHDAD - SEAD	EA6B	2	SEAD 001
NIGHT1	0427-08023	A02	WEST OF BAGHDAD - SEAD	EF111	4	SEAD 001
NIGHT1	0427-08023	A02	WEST OF BAGHDAD - SEAD	F04G	8	SEAD 001
NIGHT1	0427-08023	SEAD	GCI SITE	F111	4	SEAD 001
NIGHT1	0427-08023	A02	WEST OF BAGHDAD - SEAD	F15E	6	SEAD 001
NIGHT1	0445-ES2802	SEAD	GCI SITE	F15E	4	SEAD 001
NIGHT1	0427-08023	A02	WEST OF BAGHDAD - SEAD	F18	4	SEAD 001
NIGHT1	0427-08023	A02	BAGHDAD - SEAD	F18	4	SEAD 001
NIGHT1	0427-08023	A02	WEST OF BAGHDAD - SEAD	F18	4	SEAD 001
NIGHT1	0427-08023	A02	BAGHDAD - SEAD	F18	4	SEAD 001
NIGHT1	0445-TL0040	SAD03	AIR DEF SECTOR HQ	F117	4	OCA 001A
NIGHT1	0427-00139	SAD02	AIR DEF SECTOR HQ	F117	4	OCA 002A
NIGHT1	0427-00139	SAD02	AIR DEF SECTOR HQ	F117	4	OCA 002B
NIGHT1	0445-DA0069	SAD07	FDP - GCI SITE - SEAD	EA6B-M	2	SEAD 002C
NIGHT1	0445-DA0069	SAD07	FDP - GCI SITE - SEAD	F18-M	8	SEAD 002D
NIGHT1	0427-08023	A02	AL TAQADDUM AFLD	F15E	6	OCA 003A
NIGHT1	0427-00882	SAD01	AIR DEF C2 SITE	B52	0	OCA 004B
NIGHT1	0427-CA0357	C03	CW STORAGE FACILITY	B52	0	OCA 004C
NIGHT1	0427-00358	LO2	PRESIDENTIAL PALACE	B52	0	INT 004D
NIGHT1	0427-00337	CCC01	INTL RADIO XMTR	B52	0	INT 004E
NIGHT1	0427-00951	E01	POWER PLANT	B52	0	INT 004F
NIGHT1	0427-00145	E02	TRANSFORMER YARD	B52	0	INT 004G
NIGHT1	0427-00481	E03	TRANSFORMER YARD	B52	0	INT 004H
NIGHT1	0427-00689	E08	TRANSFORMER STATION	B52	0	INT 004I
NIGHT1	0427-00780	E07	TRANSFORMER STATION	B52	0	INT 004J
NIGHT1	0427-00690	E09	TRANSFORMER STATION	B52	0	INT 004K
NIGHT1	0427-CA9997	LO1	PRESIDENTIAL GROUNDS	B52	0	INT 004L
NIGHT1	0445-00274	NP1	NAVAL BASE - SEAD	EA6B	1	SEAD 005
NIGHT1	0445-00274	NP1	NAVAL BASE - SEAD	F18	2	SEAD 005
NIGHT1	0445-00274	NP1	NAVAL BASE - SEAD	F18	1	SEAD 005
NIGHT1	0445-00274	NP1	NAVAL BASE	A6	6	INT 005A
NIGHT1	0445-00342	E01	POWER PLANT - SEAD	EA6B	1	SEAD 006
NIGHT1	0427-00342	E01	POWER PLANT - SEAD	F18	2	SEAD 006
NIGHT1	0427-00342	E01	POWER PLANT - SEAD	F18	1	SEAD 006
NIGHT1	0445-00342	E05	POWER PLANT	A6	2	INT 006A
NIGHT1	0427-08844	C04	QAYYARAH WEST AFLD	B52	3	OCA 006B
NIGHT1	0445-08803	C01	TALLIL AFLD	B52	3	OCA 006C
NIGHT1	0445-00341	E04	POWER PLANT	A6-M	2	INT 007A
NIGHT1	0445-00341	E04	POWER PLANT	F18-M	4	INT 007A
NIGHT1	0445-08811	A01	JALIBAH AFLD - SEAD	EA6B-M	1	SEAD 008

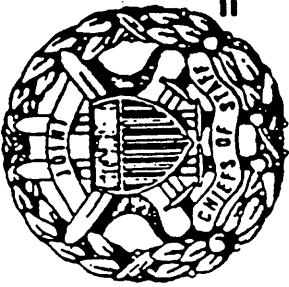


# PSYCHOLOGICAL AND DECEPTION OPERATIONS

- PSYOPS CRITICAL ELEMENT OF CAMPAIGN
- DESTROY IRAQ TV & BROADCAST STATIONS
  - SUBSTITUTE US BROADCASTS
  - SEPARATE HUSSEIN REGIME FROM SUPPORT OF PEOPLE AND MILITARY
- DECEPTION
  - REDUCE CASUALTIES
  - FACILITATE MILITARY OPERATIONS
    - NOT CRITICAL FOR SUCCESS

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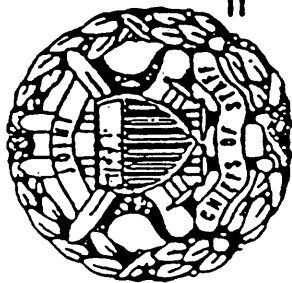




## *EXPECTED RESULTS*

- NATIONAL LEADERSHIP, C2 DESTROYED
- IRAQ'S STRATEGIC OFFENSE & DEFENSE (MISSILES AND LONG - RANGE AIRCRAFT) ELIMINATED FOR EXTENDED PERIOD
- INTERNAL ECONOMY DISRUPTED
- IRAQ'S CAPABILITY TO EXPORT OIL NOT SIGNIFICANTLY DEGRADED
- PENINSULA NATIONS WOULD HAVE COMBAT CAPABILITY TO DEAL EFFECTIVELY WITH RESIDUAL IRAQI FORCES

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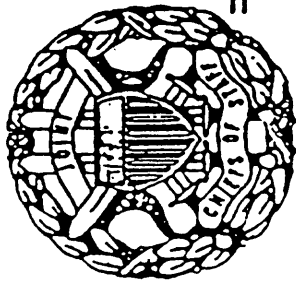


## WHAT IF: IRAQ ATTACKS SAUDI ARABIA IN RESPONSE TO INSTANT THUNDER

- Available for immediate engagement
  - 4 A-10 Squadrons (96)
  - 2 AV-8B Squadrons (40)
  - 3 F/A-18 Squadrons (36)
  - 2 AH-1W Squadrons (30)
  - 4 AH-64 Squadrons (75)
- Instant Thunder addresses many common targets
  - Air Superiority
  - Command and Control
  - Interdiction
- Combined Instant Thunder and battlefield air operations can stop ground advance
- Minimal impact on Instant Thunder

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# MUNITIONS

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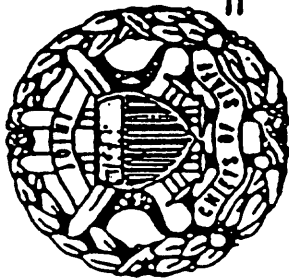
## LOGISTICS AREAS OF CONCERN

- HARM (AGM-88) -- 1100 IN USAFE AWAITING LIFT
- I-2000 (FOR GBU-27) -- 163 IN USAFE AWAITING LIFT
- AIRBASE FUEL OPERATIONS -- GROUND REFUELING MAY NOT MEET SORTIE SURGES. IN-THEATER ANALYSIS AND AUGMENTATION SOURCING STUDY REQUIRED.
- MUNITIONS BUILD-UP -- AVAILABILITY OF COMPLETE ROUNDS AT POINTS OF INTENDED USE. ENSURE UNLOADING AT PORT, COMPONENT MOVEMENTS, INTRATHEATER MOVEMENT, AND BUILD-UP AT BASES ARE PHASED.

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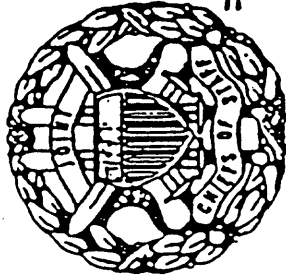
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# ISSUES AND LIMFACS



- Night PGM Capability
  - F-111D's have no laser designation capability
  - More night designators for leadership and air defense targets
- USE OF MULTINATIONAL ASSETS
  - Significant aid to Instant Thunder air superiority and offensive counter-air plan
  - Integration poses a challenge
- AIRSPACE CONTROL PLAN
  - Simple airspace control plan required
  - Must not inhibit air superiority weapons employment
- MUNITIONS DISTRIBUTION
  - Must get to proper bases

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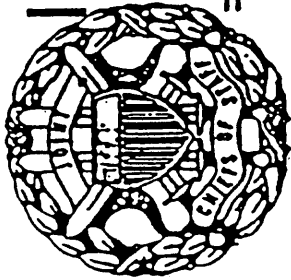
## ISSUES AND LIMFACS (Cont'd)

• TANKER NUMBERS (Boomers and Fuel Upload)  
TOTAL AIRCRAFT MIN REQUIRED OPTIMAL  
~75 NOW 94 114

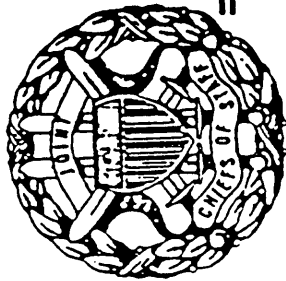
- Targeting
- Must refine constantly to meet strategic situation and new intelligence information
- For example, need to target National Palace Guard and Muhabarat headquarters, dispersal fields, etc
- Long-Range Missiles
- Chemical-capable long-range SCUDs present real problem
- Political
- Status of Turkey, Iran

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# ISSUES AND LIMFACS (cont'd)



- Psychological War
- Can Hussein use Kuwait TV and radio
- VOLANT SOLO not in the flow - modified for ME TV
- RESCUE
- Joint Rescue Coordination Center (JRCC), Scott AFB, IL, not tasked; needs to be co-located with TACC



## *EFFORTS TO DATE*

- JOINT STAFF/SERVICE PARTICIPATION
- ANALYSIS OF TARGET BASE, SYSTEM CAPABILITIES, SUPPORT REQUIREMENTS, AND LOGISTICS
  - CJCS/SERVICE CHIEFS BRIEFED
- REFINEMENTS CONTINUING
- PLAN READY FOR REVIEW BY CINCENT

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	A	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R					
39																								
40						FORCE DEPLOYMENT FLOW																		
41																								
42	WPN SYS	WPN SYS	IN PLACE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
43							AIR	FORC	DEPLOYMENTS															
44	A-10	A-10	0	0	0	0	0	24	24	24	24	24	24	24	24	24	24	24	24					
45	F-117	F-117	0	0	0	0	0	0	0	0	18	18	18	18	18	18	18	18	18					
46	F-15 E	F-15 E	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24					
47	F-111 D	F-111 D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	18					
48	B-52	B-52	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20					
49	EF-111	EF-111	0	0	0	0	0	0	0	6	6	6	6	6	6	12	12	12	12					
50	F-4 G	F-4 G	0	0	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24					
51	F-16 A/C	F-16 A/C	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
52	F-15	F-15	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
53																								
54	USAF	USAF	140	140	164	164	164	188	188	194	212	212	212	212	212	236	236	236	236					
55																								
56							NAVAIR																	
57																								
58	WPN SYS	WPN SYS	IN PLACE																					
59																								
60	A-6	A-6	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35					
61	F/A-18	F/A-18	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58					
62	EA-6	EA-6	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12					
63	F-14	F-14	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56					
64																								
65	USN TOT	USN TOT	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161					
66																								
67							USMC AIR																	
68																								
69	WPN SYS	WPN SYS	IN PLACE																					
70																								
71	A-6	A-6	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20	20	20					
72	F/A-18	F/A-18	0	0	0	0	0	0	0	0	48	48	48	48	48	48	48	48	48					
73	EA-6	EA-6	0	0	0	0	0	0	0	0	12	12	12	12	12	12	12	12	12					
74	AV-8	AV-8	0	0	0	0	0	0	0	0	40	40	40	40	40	40	40	40	40					
75	AH-1W	AH-1W	6	6	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30					
76	USMC TOT	USMC TOT	6	6	30	30	30	30	30	30	150	150	150	150	150	150	150	150	150					
77																								
78									AF	TA	NK	ER	S											
79																								
80	TOT KC	TOT KC	58	58	58	58	58	58	58	58	78	78	78	78	78	78	78	78	78					
81																								
82																								
83																								
84	TOTAL	TOTAL	307	307	355	355	355	379	379	385	523	523	523	523	523	547	547	547	547					
85																								
86				16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
87																								
88	ARMY	ARMY																						
89	USMC	USMC	6	6	30	30	30	30	30	30	150	150	150	150	150	150	150	150	150					
90	USN	USN	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161					
91	USAF	USAF	140	140	164	164	164	188	188	194	212	212	212	212	212	236	236	236	236					
92	TOTAL	TOTAL	307	307	355	355	355	379	379	385	523	523	523	523	523	547	547	547	547					
93																								

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	A	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
39																					
40																					
41										SEP											
42	WPN SYS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43																					
44	A-10	24	24	24	24	24	24	24	24	24	24	24	48	48	48	48	48	48	48	48	48
45	F-117	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
46	F-15 E	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
47	F-111 D	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
48	B-52	20	20	20	20	20	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
49	EF-111	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
50	F-4 G	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
51	F-16 A/C	48	48	48	48	48	48	48	72	72	72	72	72	72	72	72	72	72	72	72	96
52	F-15	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	72	72	72	72	72
53																					
54	USAF	236	236	236	236	236	250	250	274	274	274	274	298	298	298	298	322	322	322	322	346
55																					
56																					
57																					
58	WPN SYS																				
59																					
60	A-6	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
61	F/A-18	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
62	EA-6	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
63	F-14	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
64																					
65	USN TOT	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
66																					
67																					
68																					
69	WPN SYS																				
70																					
71	A-6	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
72	F/A-18	48	48	48	48	48	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
73	EA-6	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
74	AV-8	40	40	40	40	40	40	40	40	40	40	40	40	40	40	60	60	60	60	60	60
75	AH-1W	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
76	USMC TOT	150	150	150	150	150	174	174	174	174	174	174	174	174	174	194	194	194	194	194	194
77																					
78																					
79																					
80	TOT KC	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
81																					
82																					
83																					
84	TOTAL	547	547	547	547	547	585	585	609	609	609	609	633	633	633	653	677	677	677	677	701
85																					
86		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
87																					
88	ARMY																				
89	USMC	150	150	150	150	150	174	174	174	174	174	174	174	174	174	194	194	194	194	194	194
90	USN	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
91	USAF	236	236	236	236	236	250	250	274	274	274	274	298	298	298	298	322	322	322	322	346
92	TOTAL	547	547	547	547	547	585	585	609	609	609	609	633	633	633	653	677	677	677	677	701
93																					

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	A	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
39													
40		SEP											
41								SEP					
42	WPN SYS	21	22	23	24	25	26	27				TBD	
43													
44	A-10	48	48	48	48	48	48	48	48	48	48	96	
45	F-117	18	18	18	18	18	18	18	18	18	18	18	
46	F-15 E	24	24	24	24	24	24	24	24	24	24	24	
47	F-111 D	18	18	18	18	18	18	18	18	18	18	18	
48	B-52	34	34	34	34	34	34	34	34	34	34	34	
49	EF-111	12	12	12	12	12	12	12	12	12	12	12	
50	F-4 G	24	24	24	24	24	24	24	24	24	24	24	
51	F-16 A/C	96	120	120	120	120	120	120	120	120	120	120	
52	F-15	72	72	72	72	72	72	72	72	72	72	72	
53													
54	USAF	346	370	370	370	370	370	370	370	370	370	418	
55													
56													
57													
58	WPN SYS												
59													
60	A-6	35	35	35	35	35	35	35	35	35	35	35	
61	F/A-18	58	58	58	58	58	58	58	58	58	58	58	
62	EA-6	12	12	12	12	12	12	12	12	12	12	12	
63	F-14	56	56	56	56	56	56	56	56	56	56	56	
64													
65	USN TOT	161	161	161	161	161	161	161	161	161	161	161	
66													
67													
68													
69	WPN SYS												
70													
71	A-6	20	20	20	20	20	20	20	20	20	20	20	
72	F/A-18	72	72	72	72	72	72	72	72	72	72	72	
73	EA-6	12	12	12	12	12	12	12	12	12	12	12	
74	AV-8	60	60	60	60	60	60	60	60	60	60	60	
75	AH-1W	30	30	30	30	30	30	30	30	30	30	30	
76	USMC TOT	194	194	194	194	194	194	194	194	194	194	194	
77													
78													
79													
80	TOT KC	78	78	78	78	78	78	78	78	78	78	78	78
81													
82													
83													
84	TOTAL	701	725	725	725	725	725	725	725	725	725	773	
85													
86		21	22	23	24	25	26	27				1	
87												2	3
88	ARMY												
89	USMC	194	194	194	194	194	194	194	194	194	194	194	
90	USN	161	161	161	161	161	161	161	161	161	161	161	
91	USAF	346	370	370	370	370	370	370	370	370	370	418	
92	TOTAL	701	725	725	725	725	725	725	725	725	725	773	
93													

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