

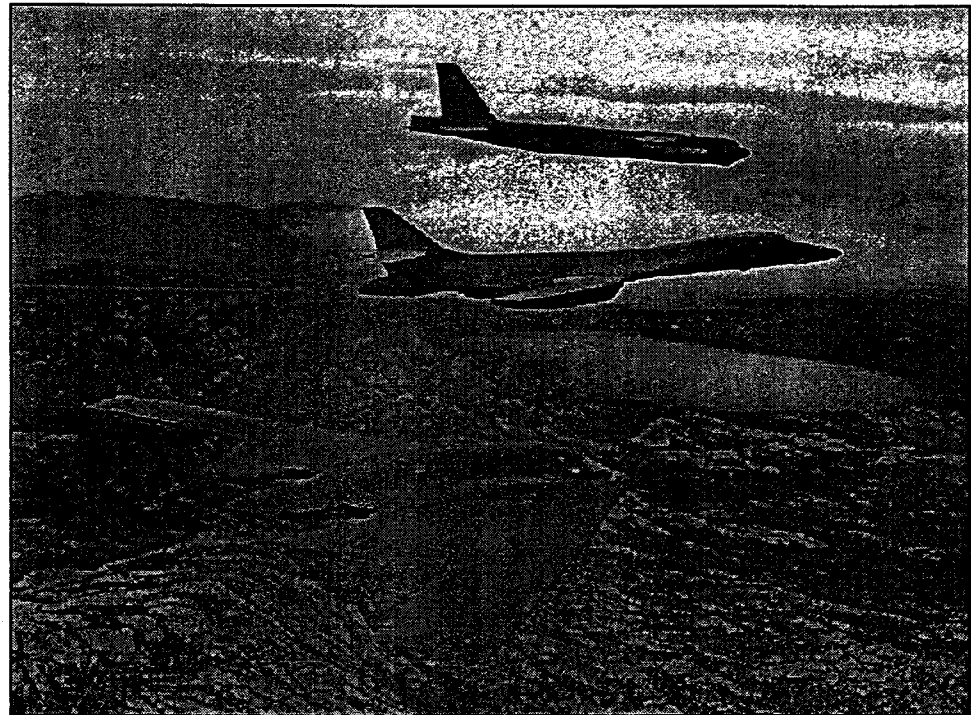


BOMBER CAPABILITIES

An Update to the Warfighters

*Obtained under the
Freedom of Information Act
by the Nautilus Institute
Nuclear Policy Project*

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Nuclear Policy Project
98-87H*



DIRECTORATE
OF
PLANS AND PROGRAMS

1998

THIS BRIEFING IS

~~SECRET~~
UNCLASSIFIED

CLASSIFIED BY: Multiple Sources
DECLASSIFY ON: ~~18 Mar 07~~

US AIR 98



OVERVIEW

- **Bomber capabilities for next planning cycle**
 - **Bomber capabilities video**
 - **Bomber planning factors**
 - **Bomber force impact in MTW**



BOMBER FORCE STRUCTURE PRIMARY MISSION AIRCRAFT INVENTORY

Bomber	Today
B-1	51
B-2	10
B-52	44
Total	105



B-2 FORCE STRUCTURE

- Block 20: limited operational capability
 - []
 - Weapons: MK-84, GBU-36, GBU-37
- Block 30: fully capable
 - Full weapons: JDAM, MK-82/84, M-117, CBU-87/89/97, MK-62
- Operational B-2s (PMAI):

Block	Today	
20	6	[]
30	4	

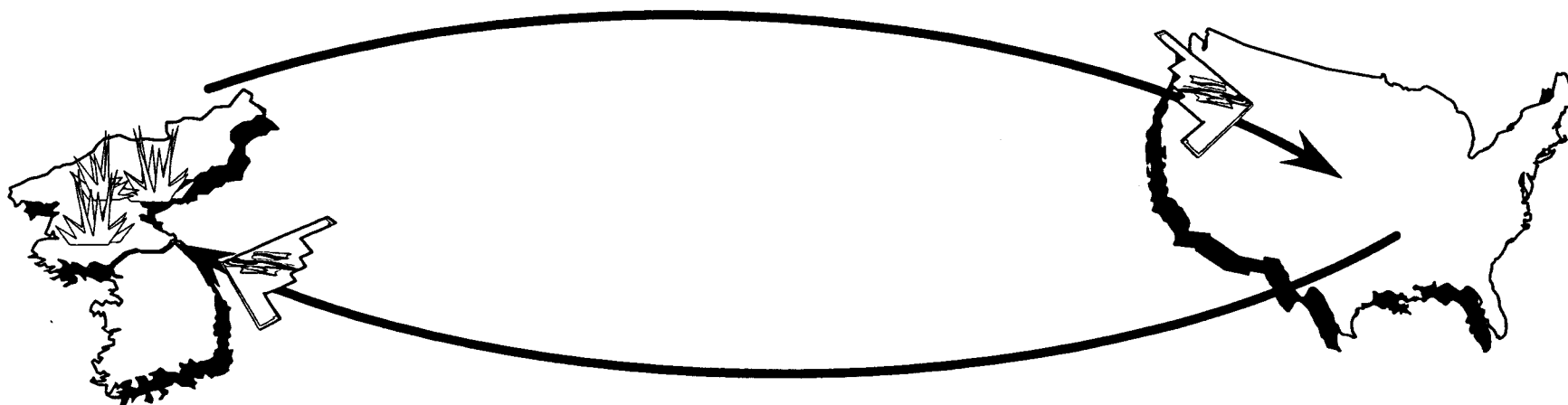


BOMBER EMPLOYMENT/ DEPLOYMENT OPTIONS

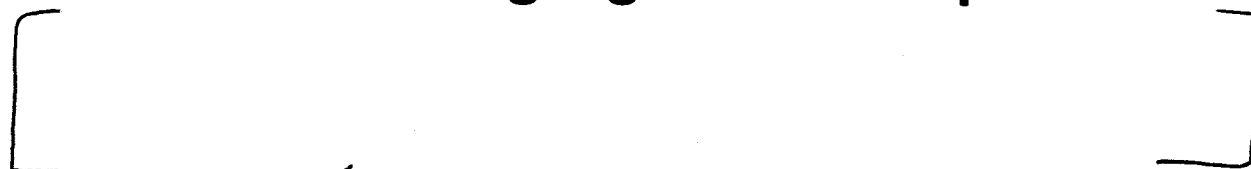
- **CONUS TO CONUS Employment**
 - Launch, strike targets in AOR, recover to CONUS
- **Theater Deployment**
 - Deploy to theater FOL, employ from theater FOL
- **Employ/Deploy Option**
 - Launch from CONUS, strike targets in AOR, recover to FOL



CONUS TO CONUS EMPLOYMENT



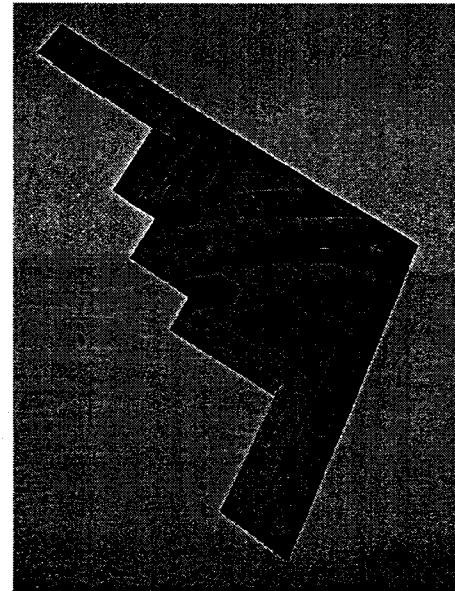
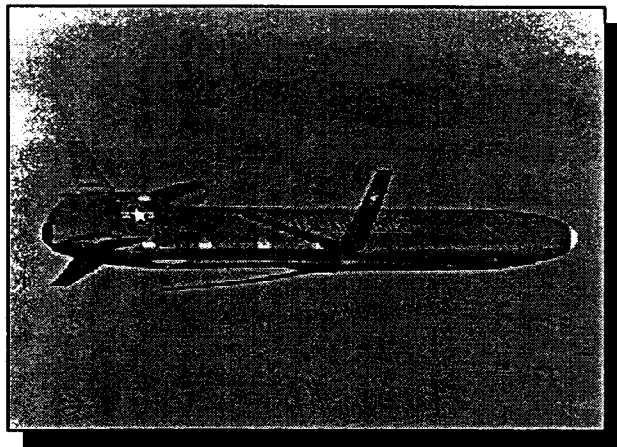
- Most responsive option for contingency or short warning
 - Theater basing rights not required



- CONUS operations limited by maximum flying hours

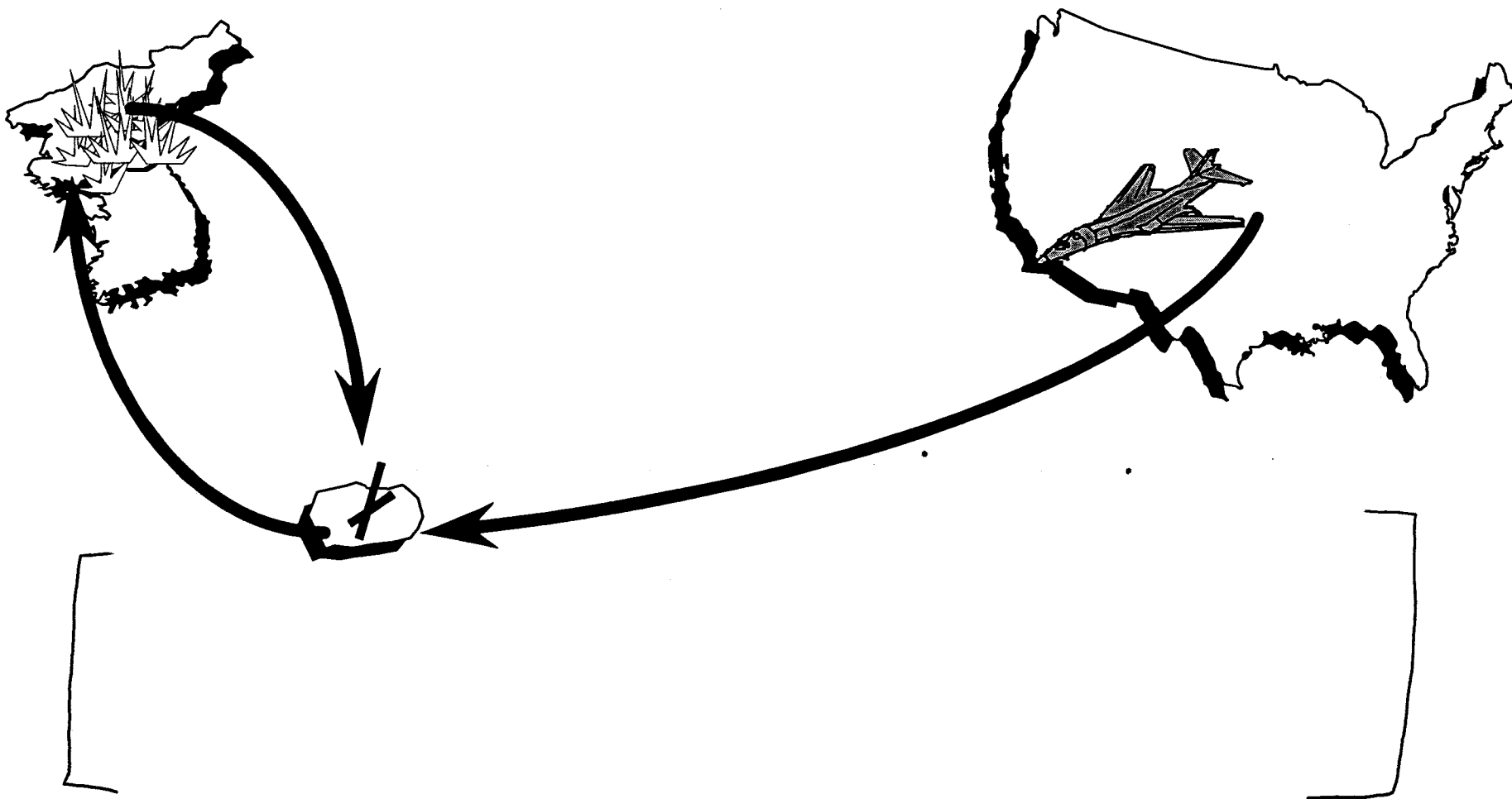


CONUS TO CONUS EMPLOYMENT





THEATER DEPLOYMENT





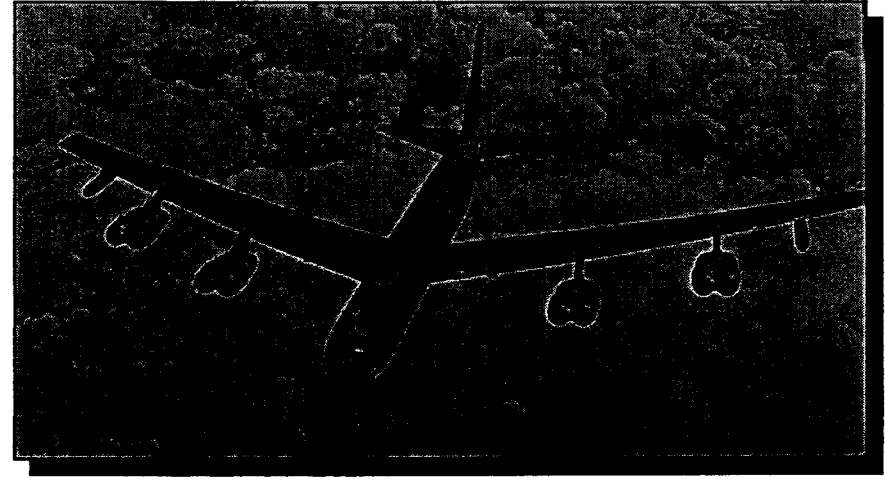
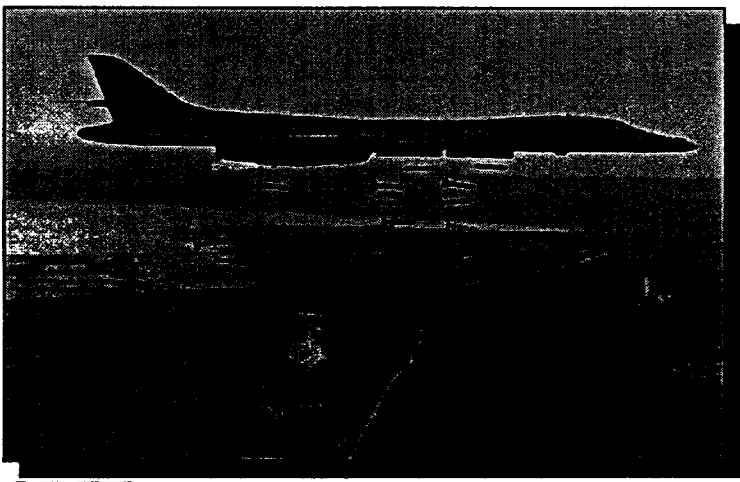
THEATER DEPLOYMENT

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THEATER EMPLOYMENT





BASING VS LEVEL OF EFFORT

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- Bomber combat effectiveness maximized with forward basing
- CONUS to CONUS sustainability limited by aircrew flying hours

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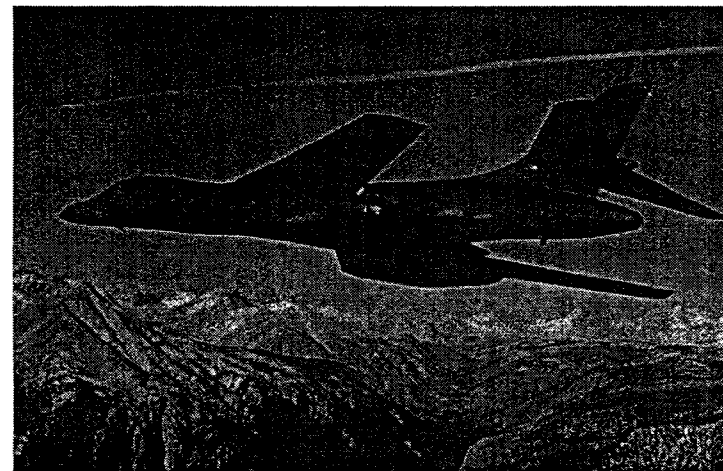
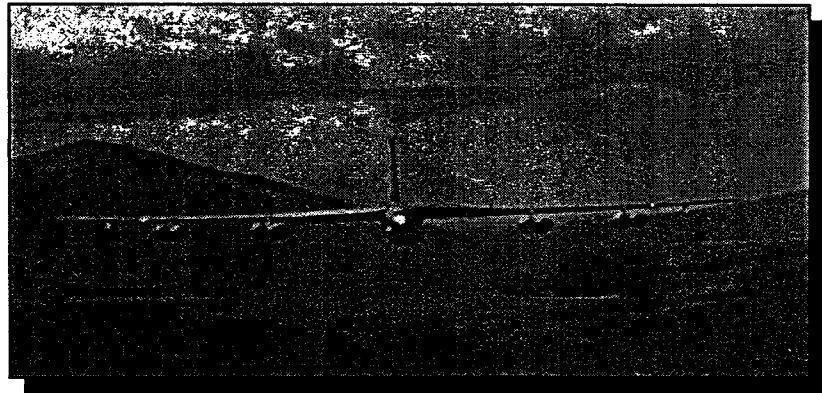
EMPLOY/DEPLOY OPTION

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BOMBER SURVIVABILITY

- Mission planning
- Support from air superiority and SEAD assets
 - F-15C
 - F/A-18 HARM
 - Compass Call
 - EA-6B
 - F-16 HARM
 - TLAM
- Threat avoidance
 - High altitude operations
 - Situational awareness
 - B-1 high speed ingress/egress
 - Stealth and standoff
- Defensive countermeasures
 - Chaff, flares, jamming, []



B-1 EFFECTIVENESS CBU-87 - COMBINED EFFECTS MUNITION



- Targets
- 1 - Trucks in park
 - 2 - Arty in position
 - 3 - EW/GCI site
 - 4 - POL storage





B-2 EFFECTIVENESS GBU-31 - JDAM

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- Targets
- 1 - NBC storage
 - 2 - Shipyard port facilities
 - 3 - LOC choke points
 - 4 - Arty in position

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B-52 EFFECTIVENESS CBU-105 - WCMD (SFW)



- Targets
- 1 - Tracked vehicles
 - 2 - APCs
 - 3 - Self propelled arty
 - 4 - Tanks





ASSUMPTIONS

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EMPLOYMENT CONCEPTS FOR CAMPAIGN ANALYSIS

- **Bombers operate cooperatively to attack an invading army**
 - **Conduct early force projection mission**
 - **Integrate with available naval air, TLAM, land-based air**
- **B-2s deliver GAM/JDAM against high-value fixed targets**
- **B-1s deliver CBU-87 against invading forces**
- **CONUS based B-52s launch CALCM against radars, C2**
- **Deployed B-52s deliver WCMD/SFW against armored vehicles**



BOMBER EMPLOYMENT

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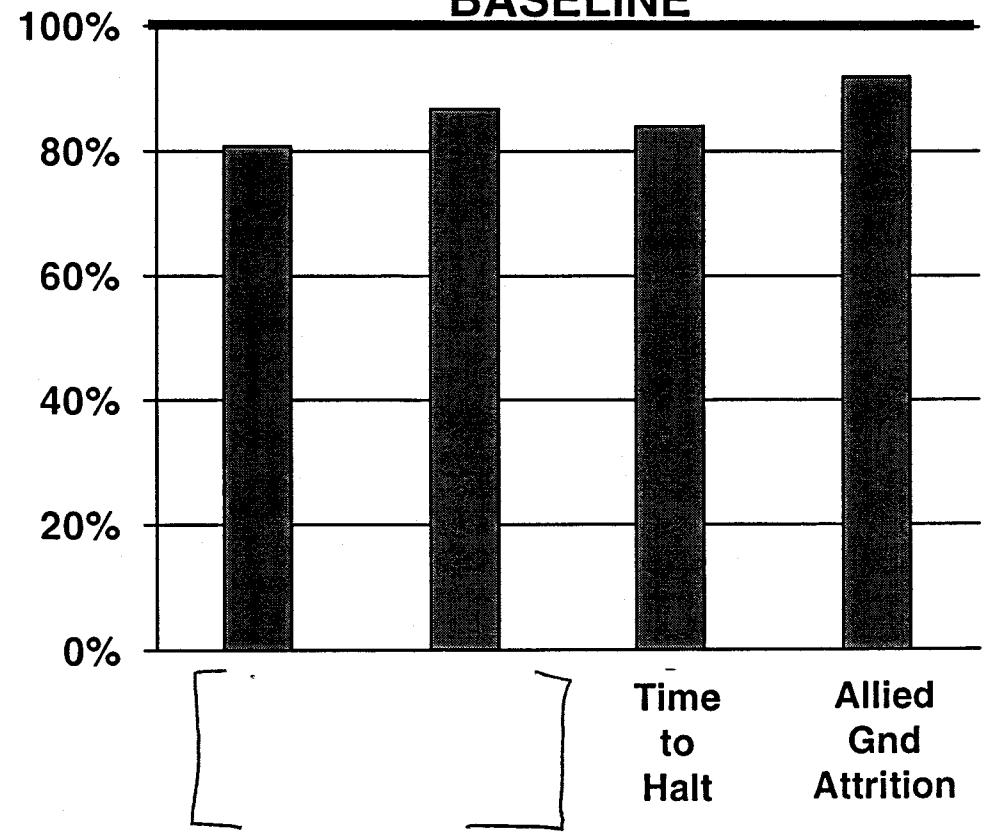
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CAMPAIGN RESULTS

ACCELERATED BOMBER RESULTS RELATIVE TO THE BASELINE




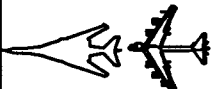


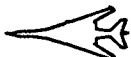







OBSERVATIONS

- **Today bombers provide unique range, payload, and responsiveness to contribute to your warfighting needs**
- **Bombers contribution today**
 - Exposed armor with CBU's
 - High value targets with B-2 GAM
 - Point targets with CALCM and AGM-142
 - Standoff and stealth limit operational risk
 - New munitions provide multiple kills per pass
- **Bombers guarantee a rapid combat response in the face of downsizing or reduced overseas presence**
 - JDAM and WCMD available in current planning cycle
- **Mass and precision will dramatically accelerate timelines**



ADVANCED WEAPONS INTEGRATION

	FY98	FY99	FY00	FY01	FY02
JDAM					
SFW					
WCMD					
JSOW					
JASSM					



RECOMMENDATIONS

Improve your warfighting capabilities by . . .

- Including bombers with scheduled AEF deployments and training
 - Continue to request bomber deployments on joint exercises
 - Use expanded capabilities in war games and simulations
- Including bombers in FDOs
- Supporting prepositioning efforts
- Supporting bomber enhancements on Integrated Priority List
- Moving bombers up in the TPFDD



TODAY'S BOMBERS BRING MASS AND PRECISION

"We're beginning to change our thinking from how many aircraft does it take to destroy one target to how many targets can we destroy with one aircraft."

98-87H ✓



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR COMBAT COMMAND
LANGLEY AIR FORCE BASE, VIRGINIA

11 Jan 99

HQ ACC/SC
204 Dodd Blvd, Ste 303
Langley AFB VA 23665-2777

Mr. Hans Kristensen
The Nautilus Institute
1831 Second Street
Berkeley CA 94710-1902

Dear Mr. Kristensen

This is in response to your 25 November 1998 Freedom of Information Act request (your NI FOIA 98-87H) for a copy of Bomber Capabilities Briefing, 1998.

Portions of this document are releasable and attached. Pages 12, 18-19, and redacted portions are exempt from disclosure under the Freedom of Information Act, Title 5, United States Code, Section 552(b)(1). Disclosure of this information could reasonably be expected to cause serious damage to the national security.

If you decide to appeal this decision, write to the Secretary of the Air Force within 60 days from the date of this letter. If no appeal is received, or if the appeal is postmarked after the conclusion of this 60-day period, the appeal may be considered closed. Include your reasons for reconsideration along with a copy of this letter. Mail to:

Secretary of the Air Force
Thru: HQ ACC/SCTC (FOIA)
230 East Flight Line Rd, Ste 108
Langley AFB VA 23665-2781

Air Force Instruction 37-131 indicates fees be assessed for processing this request; however, the fees are waived in this instance.

Sincerely

DAVID R. STINSON, Colonel, USAF
Deputy Director
Communications and Information

Attachment:
Releasable Record

FOIA Case No.: 99-049