

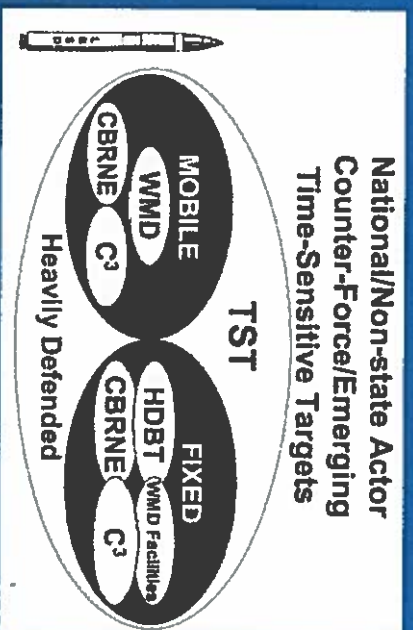
Bringing guidance up to speed

...Bush administration has been busy:

- 2004
 - Defense Planning Guidance 2004-2009
 - Feb: "Strategic Deterrence Joint Operating Concept."
 - Mar 13: National Military Strategy of the United States
 - Mar 15: Strategic Planning Guidance FY 2006-2011
 - Apr 19: NUWEP
 - May 24: ACC Global Strike CONOPS
 - May: NSPD-34, "Fiscal Year 2004-2012 Nuclear Weapons Stockpile Plan"
 - May: NSPD-35, "Nuclear Weapons Deployment Authorization" (Europe)
 - Nov: "Strategic Deterrence Joint Operating Concept.
 - Dec 31: JSCP Annex C FY05
- 2005
 - Jan 10: Global Strike Joint Integrating Concept, Version 1
 - Aug: Doctrine for Joint Nuclear Operations (JP 3-12)

Upgrading targeting plans and capabilities

Global Strike Integration: New ICBM



- Credible & effective Land-Based Strategic Deterrent (LBSD) required in 2020-2040
- 2001 Nuclear Posture Review
- USSTRATCOM Directive 8044 and 8022
- Space Force Applications Mission Area Plan
- Peacekeeper retirement (2007)
- Minuteman III service life expiration (2020)

US Air Force, Land-Based Deterrence
Capability Concept of Operations, 2004

- “Elite” Minuteman III
 - Payload options: W78 / W87, “newly designed reentry vehicle” with “low or multiple yield weapons.”
- Next-generation ICBM
 - Initiated by 2001 NPR
 - Mission need statement Jan 2002
 - Deployment 2018-2040
 - Nuclear and conventional
 - Very wide range of targets including surface, sub-surface, and non-state actors
 - Global reach
 - Real-time & in-flight retargeting capability

Upgrading targeting plans and capabilities

Example of new planning capabilities: STRATCOM

Changing the nuclear war plans

“STRATCOM has revised our strategic deterrence and response plan that became effective in the fall of 2004. This revised, detailed plan provides more flexible options to assure allies, and dissuade, deter, and if necessary, defeat adversaries in a wider range of contingencies.”

CJCS General Myers, February 2005

- SIOP is dead; since 2003 Operations Plan 8044
- Global Strike (CONPLAN 8022) entered into effect in April 2003
- Prompt strike (minutes to hours) against targets not included in deliberate (preplanned) plans.

STRATCOM and updating deterrence

Targets (facilities) drive warhead requirement

Warhead to Target Ratio ¹			
Posture framework	Warheads	Aimpoints (DGZ) ^b	Installations (targets) ^c
START I	6000	2400	2500-3500
START II	3500	1400	1450-2000
START III	2500	1000	1050-1430
SORT high	2200	880	926-1257
SORT low	1700	680	716-971
START IV	1500	600	630-860
START V	1000	400	420-570

¹ Based on 1991 Phoenix Study example of 20 warheads per 8 aimpoints, or 2.5 warheads per aimpoint.

^b There are more warheads than aimpoints due to layered targeting and because some warheads will fail to reach their targets for various reasons.

^c There are more installations than aimpoints because targeting involves grouping installations in the National Target Base (NTB) into aimpoints where the minimum number of weapons (even a single warhead) will achieve guidance-directed Probability of Damage (PD) against individual installations or groups of installations.

STRATCOM and updating deterrence

First challenge: arms control and reduction of targets

Estimated SIOIP Target Development

