

BROOKINGS

QUALITY. INDEPENDENCE. IMPACT.

US-RUSSIA ARMS CONTROL: PROSPECTS AND CHALLENGES

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New START Limits

- 1550 deployed strategic warheads
- 700 deployed strategic delivery vehicles
- 800 deployed and non-deployed launchers and bombers
- Limits take full effect in 2018

US, Russian Nuclear Warhead Levels

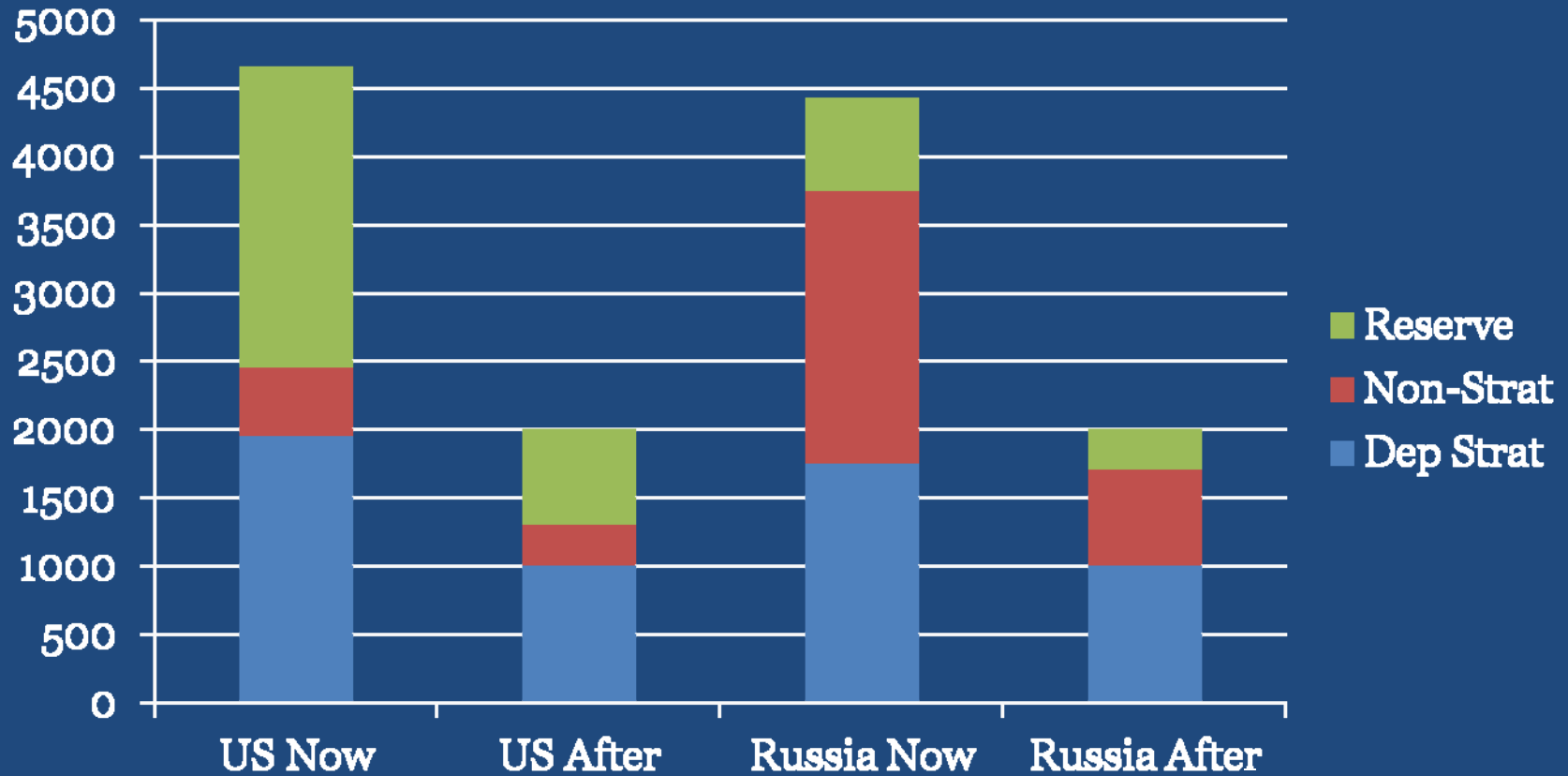
	<u>US</u>	<u>Russia</u>
Deployed strategic *	~1950	~1740
Nonstrategic	~500	~2000
Non-deployed (reserve) strategic	~2200	~700
	(~4700)	(~4450)
Retired warheads	~ <u>3000</u>	~ <u>4000</u>
Total warheads	~7700	~8500

* Estimated actual number, not New START accountable number
Numbers drawn from Hans M. Kristensen, "Trimming Nuclear Excess: Options for Further Reductions of U.S. and Russian Nuclear Forces"

Big Treaty

- Limit on each side of no more than 2000-2500 *total* nuclear warheads
 - Covers all except retired weapons
 - Aggregate limit forces trade
- Sublimit of 1000 deployed strategic warheads
- Limit of 500 deployed SDVs

Notional Reduction to 2000 Total



Implications for Triad

- Russians below 500 and headed => ~400 deployed SDVs
- US could maintain triad at 500:
 - 40 bombers, 192 SLBMs (12 x 16), 268 ICBMs
 - 40 bombers, 160 SLBMs (10 x 16) 300 ICBMs

Major Russian Storage Sites



Source: Joshua Handler, Princeton University

US Nuclear Weapons in Europe

- ~200 US nuclear bombs believed deployed at six sites in five countries



Source: Hans M. Kristensen and Robert S. Norris, “U.S. Nuclear Forces, 2012”

Pentagon-MOD MD Talks

- Areas of convergence re cooperative NATO-Russia arrangement
 - Transparency
 - Joint exercises
 - Two independent systems interacting
 - Data fusion center
 - Planning and operations center

Russia Under New START

New START Numbers, Sept 2012

<u>New START Limit</u>	<u>US</u>	<u>Russia</u>
Deployed strategic delivery vehicles (700)	806	491
Deployed and non-deployed launchers and bombers (800)	1034	884
Deployed warheads (1550)	1722	1499

US, Russian Nuclear Warhead Levels

	<u>US</u>	<u>Russia</u>
Deployed strategic *	~1950	~1740
Nonstrategic	~500	~2000
Non-deployed (reserve) strategic	~ 2200	~ 700
Retired warheads	~ <u>3000</u>	~ <u>4000</u>
Total warheads	~7700	~8500

* Estimated actual number, not New START accountable number
Numbers drawn from Hans M. Kristensen, “Trimming Nuclear Excess: Options for Further Reductions of U.S. and Russian Nuclear Forces”

Verification

