

The Nation-State Challenge

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Iraq: The Blair Dossier

- Nuclear Weapons
 - Five years away from acquisition
- Chemical Weapons
 - VX, Mustard, Tabun, Sarin
- Biological Weapons
 - Anthrax, Botulinum Toxin
- Missiles
 - 20? Scuds
 - al-Samoud/Ababil-100 ballistic missiles



Iran: CIA Acquisition of Technology Report

- Nuclear
 - No fissile material or facilities
- Chemical
 - 1000s of tons of blister and choking agents
- Biological
 - Limited capability to deploy
- Missile
 - Scuds; 1,300 km Shahab 3





Boundary approximations are not necessarily authoritative

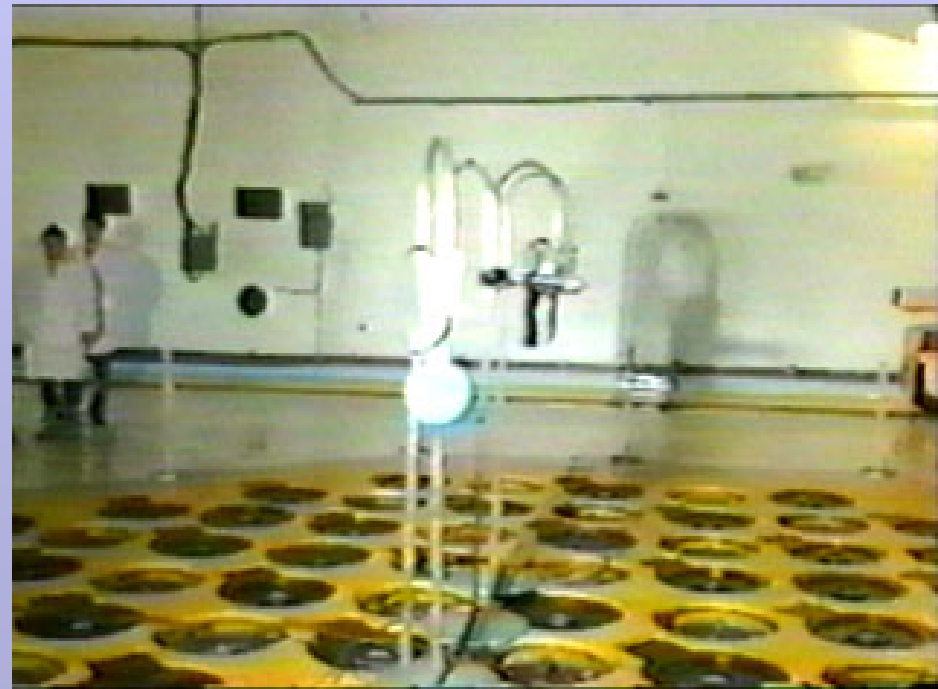


IRAN		
Current Missile Delivery System	Range (km)	Source
..... CSS-6	150	China
———— SCUD B	800	Libya; North Korea
- - - - - SCUD C	500	North Korea
Potential Missile Delivery System	Range (km)	Potential Source
No Dong	1,200	North Korea
Taepo Dong 1	More than 1,500	North Korea
Taepo Dong 2	4,000–8,000	North Korea

Should Iran receive long range missiles from North Korea, or develop its own, it could threaten a much wider area.

North Korea: National Intelligence Estimate-Missiles

- Nuclear
 - Probably has 1-2 n-weapons
- Chemical
 - Extensive capability
- Biological
 - Program
- Missiles
 - Scuds; No Dong;
 - Taepo Dong

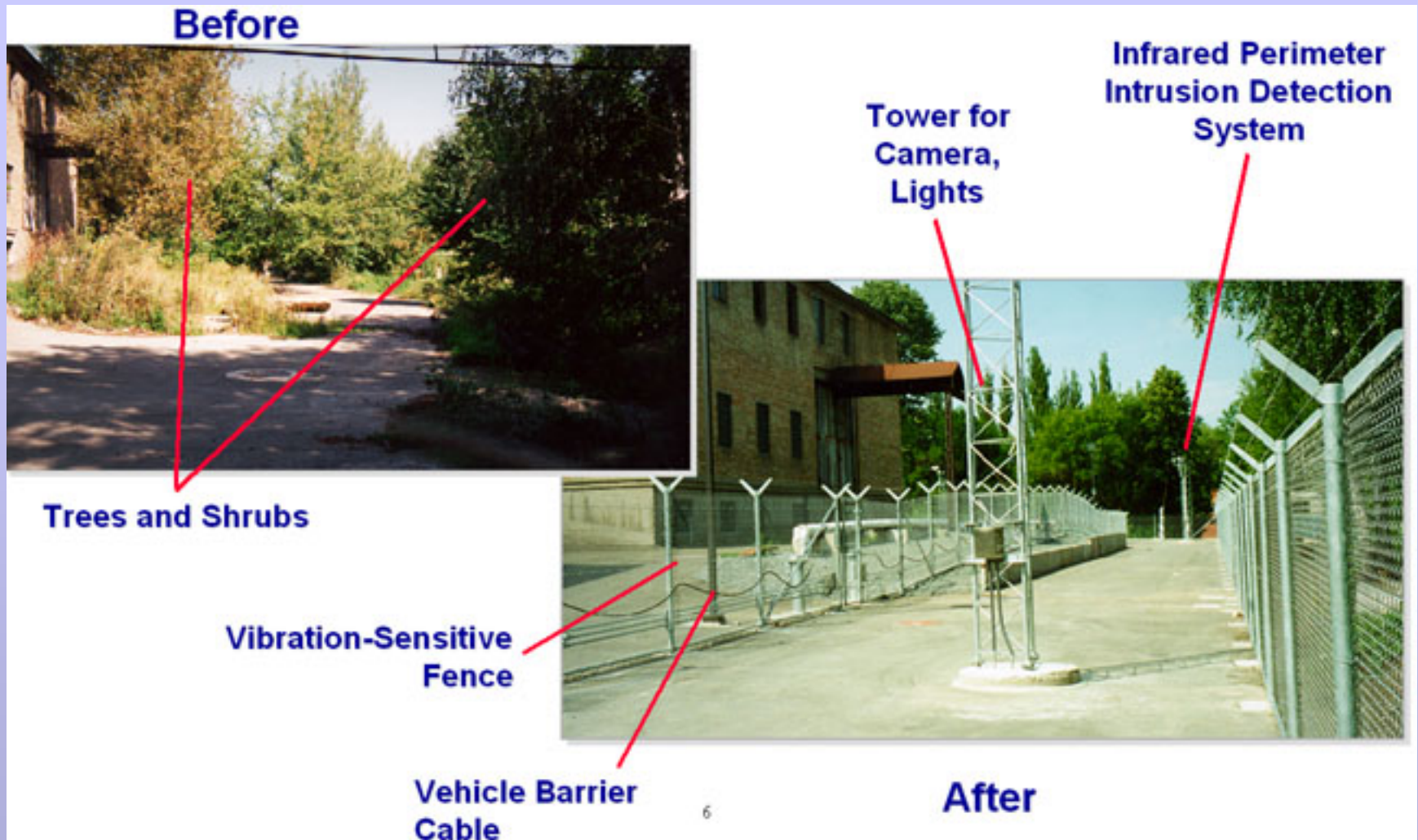


Fissile Material in Russia

- Hundreds of tons of fissile material awaiting security improvements
- 16 kgs of Pu or 50 kgs of weapons-grade uranium could
 - Double the North Korean nuclear arsenal
 - Give Iraq or Iran a nuclear capability for the first time



MPC&A Program -- Russia



Source: U.S. Department of Energy; http://www.nn.doe.gov/photo_gallery_threat05.shtml

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India, Pakistan, Israel

- Nuclear
 - Growing arsenals
- Chemical
 - India, Pakistan CWC parties; Israel ?
- Biological
 - Probable research
- Missiles
 - India SRBM; Pakistan MRBM; Israel IRBM

New Challenges

- Cruise missiles
- Emergence of hard-to-control biological weapons
- Erosion of export control regimes from within (nuclear, missile sales to India)
- New rogue suppliers (reported Iran missile sales to Libya)



Conclusions

- Export controls still a major restraint on WMD and missile programs in most cases
- Need to complement with diplomacy, and, in some cases, the threat of force
- Although a number of states have acquired dangerous capabilities, much worse could lie ahead if export controls were to break down