

Policy Objective 1: Concrete steps toward a world free of nuclear weapons

Challenge	Need for International Technical Cooperation	Potential CMC Roles
<p>Negotiate further reductions in nuclear stockpiles</p>	<ul style="list-style-type: none"> US / Russia development, testing, and demonstration of technologies and approaches to monitoring warhead declarations, warhead dismantlement, and reductions in production infrastructure Technical cooperation with P-5 and other states to enhance mutual understanding of monitoring technologies and approaches and build confidence that reductions are occurring 	<ul style="list-style-type: none"> Establish nuclear arms reduction laboratory, linked to other labs, to support U.S. / Russia technical cooperation and to demonstrate approaches to broader community Forum for engaging Chinese technical experts on approaches to nuclear arms control when conditions are right International workshops on key technologies and approaches (e.g., information barriers) Technology demonstrations with other states and NGOs
<p>Achieve Entry into force of CTBT</p>	<ul style="list-style-type: none"> Enhance transparency of nuclear test sites Develop approaches to on-site-inspections (technologies and processes) 	<ul style="list-style-type: none"> Forum for engaging experts from all states with nuclear weapons to develop test site transparency measures (link to Nevada Test Site) Forum for targeted engagement with key states, e.g., India and Israel, on technical approaches to on-site-inspections
<p>Complete verifiable FMCT</p>	<ul style="list-style-type: none"> Develop monitoring options for material in a classified form (all states with nuclear weapons) Develop approaches to on-site-inspections (technologies and processes) in states with nuclear weapons 	<ul style="list-style-type: none"> Build on previous work by U.S., Russia, and the IAEA (The Trilateral Initiative) to monitor “excess” fissile material, and expand cooperation to other countries Training on managed access techniques in realistic environment (computer assisted and at the research reactor in TA-5 and at SRNL facilities) Forum for targeted engagement with China (and India, Pakistan?) on technical approaches to FMCT verification Support and work with Group of Scientific Experts on FMCT verification
<p>Prevent nuclear weapon use and arms race in South Asia</p>	<ul style="list-style-type: none"> Development of nuclear restraint and CBMs between India and Pakistan Development of verification measures for arms control 	<ul style="list-style-type: none"> Host experts from India and Pakistan (possibly include China) to develop agreements, including options, experiments and demonstrations for monitoring and verification