Contents

	Glossary	5
	Introduction	7
Chapter One	Establishing Political Conditions to Enhance the Feasibility of Abolishing Nuclear Weapons Where are we now? 15 The first hurdles 24 The next steps 34	15
Chapter Two	Verifying the Transition to Zero The politics of verifying disarmament 41 The mechanics of verification 44 Transparency as a sign of good faith? 61 Civil-society monitoring 65 Costs: how much and who should pay? 67	41
Chapter Three	Managing the Nuclear Industry in a World without Nuclear Weapons Keeping the world safe in the nuclear-energy renaissance 69 The evolutionary approach: improving IAEA safeguards 73 The radical approach: multinational or international ownership of fuel-cycle facilities 76 Can the most sensitive nuclear activities be compatible with a nuclear-weapons-free world? 78	69
Chapter Four	Enforcement Why enforcing compliance might be contentious 84 The UN Security Council in a nuclear-weapons-free world: relations between China, Russia and the United States 88 Adding India, Israel and Pakistan to the mix 90 Is automatic enforcement the answer? 92 Enforcement mechanisms: sanctions and punishments after break-out 93 Should states be permitted to withdraw from an agreement to abolish nuclear weapons? 95 Prospects for enforcement 97	83
Chapter Five	Hedging and Managing Nuclear Expertise in the Transition to Zero and After An internationally controlled nuclear deterrent and/or retaliation force? 100 Weapons reconstitution: virtual arsenals and surge capabilities 102 Managing residual know-how 104	99
	Conclusions	107
Appendix	Key Suggestions and Questions	113
	Notes	119