## Contents

# Summary 1 Findings on IAEA Safeguards 3 Introduction 5 Options for Enhancing the Safeguards Regime 7

### 2 Introduction 23

A History of International Control Efforts 24 IAEA Safeguards 27

## 3 Enhancing the Traditional IAEA Safeguards Regime 37

Overall Confidence in Safeguards 38 Strengthening Safeguards 45

### 4 Beyond the Traditional NPT/IAEA Framework 89

Amending the Non-Proliferation Treaty 90
Reinterpreting the Non-Proliferation Treaty 92
Problem NPT States 94
Non-NPT "Threshold" States 99
Improvements in the International Nuclear
Fuel Cycle 102

#### **APPENDICES**

- A Safeguarding Reprocessing Facilities 111
- B Parties to the NPT, the IAEA, and Safeguards Agreements 131
- C Abbreviations and Glossary 137

INDEX 139



