



# CBRN protection [ managing the threat of chemical, biological, radioactive and nuclear weapons /

Richardt, Andre

Wiley-VCH Verlag,  
c2013

Electronic books

Monografía

This introductory text covers all angles, leading readers from the scientific basics to both "old" and "new" threats from NBC weapons and agents prepared by noncombatant forces, including terrorist organizations. After a look at the history of NBC weapons and their international control, the three classes of nuclear /radiological, biological, and chemical weapons are introduced, focusing on agents and delivery vehicles. There follows an explanation of current methods for the rapid detection of NBC agents and the principles of physical protection of humans and structures. The final parts add

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjQ4NTYzODA>

**Título:** CBRN protection electronic resource] managing the threat of chemical, biological, radioactive and nuclear weapons edited by Andre Richardt ... [et al.].

**Editorial:** Weinheim, Germany Wiley-VCH Verlag c2013

**Descripción física:** 1 online resource (515 p.)

**Nota general:** Description based upon print version of record

**Bibliografía:** Includes bibliographical references at the end of each chapters and index

**Contenido:** CBRN Protection; Contents; Foreword; Preface; About the Editors; List of Contributors; Part I History and Treaties in CBRN - Warfare and Terrorism; 1 A Glance Back - Myths and Facts about CBRN Incidents; 1.1 Introduction; 1.2 History of Chemical Warfare; 1.2.1 Chemical Warfare Agents in Ancient Times; 1.2.2 Birth of Modern Chemical Warfare Agents and Their Use in World War I; 1.2.3 Chemical Warfare Agents between the Two World Wars; 1.2.3.1 The Italian-Ethiopian War; 1.2.3.2 Japanese Invasion of China; 1.2.3.3 First Nerve Agents; 1.2.4 Chemical Warfare Agents in World War II 1.2.5 Chemical Warfare Agents during the Cold War 1.2.6 Chemical Warfare Agents Used in Terrorism; 1.2.7 Conclusions and Outlook; 1.3 Introduction to Biological Warfare; 1.3.1 Most Harmful Pandemics in History; 1.3.2 Biological Warfare Agents in Ancient Times BC; 1.3.3 Biological Warfare Agents in the Middle Ages to World War I; 1.3.4 From World War I to World War II - the

Beginning of Scientifically Based Biological Weapons Research; 1.3.5 From the End of World War II to the 1980 - the Great Bioweapons Programs; 1.3.6 From the 1980 Up Today - the Emerging of Bioterrorism 1.3.7 Conclusions and Outlook 1.4 Introduction to Radiological and Nuclear Warfare; 1.4.1 Discovery of Nuclear Fission; 1.4.2 Manhattan Project - Development of the First Fission Weapons; 1.4.3 Nuclear Arms Race; 1.4.4 Status of World Nuclear Forces; 1.4.5 Radiological Warfare and Nuclear Terrorism; 1.4.6 Conclusions and Outlook; References; 2 International Treaties - Only a Matter for Diplomats?; 2.1 Introduction to the Minefield of Negotiations; 2.1.1 Arms Reduction and Prohibition of Use; 2.1.2 Arms Control and International Controlling Bodies; 2.1.3 Nonproliferation 2.2 Why It Is so Difficult to Implement International Regulations? 2.2.1 Trust - Devoid of Trust Every Effort Is Useless; 2.2.2 Negotiation - Special Skills Are Required; 2.2.3 Dual Use - Good or Bad Technology?; 2.2.4 Verification - an Instrument for Trust Building; 2.2.5 Technological Advancement - Gain of Momentum; 2.3 Historic Development of Treaties - the Link to the Incidents; 2.4 Today's System of Treaties - a Global Network; 2.4.1 The Geneva Conventions - the Backbone for Further Treaties; 2.4.2 Deployment System for Weapons - Control the Carrier Systems 2.4.3 Biological and Chemical Weapons 2.4.4 Chemical Weapons Convention 1993 and Organization for the Prohibition of Chemical Weapons (OPCW); 2.4.5 Implications of the Chemical Weapons Convention (CWC) and the Biological Weapons Convention (BWC); 2.5 Nuclear Weapons; 2.5.1 Nonproliferation; 2.5.2 Disarmament; 2.5.2.1 Strategic Arms Limitation Talks/Treaty (SALT); 2.5.2.2 Strategic Arms Reduction Treaty (START); 2.5.2.3 Strategic Offensive Reductions (SORT) 2003; 2.5.3 Test-Ban and Civil Use; 2.5.4 Nuclear-Weapon-Free Zones; 2.6 Organizations; 2.7 Conclusions and Where Does the Road Lead? References

**Lengua:** English

**ISBN:** 3-527-65016-4 3-527-65019-9 3-527-65018-0

**Materia:** Chemical terrorism- United States Bioterrorism- United States Nuclear terrorism- United States Chemical terrorism- United States- Prevention Bioterrorism- United States- Prevention Nuclear terrorism- United States- Prevention

**Autores:** Richardt, Andre

**Enlace a formato físico adicional:** 3-527-32413-5

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)