

RICHARD P. ROSANO

PROFILE

A high-level executive and senior manager with 45 years of experience as a Federal nuclear regulator and a nuclear security consultant for the energy sector; a highly regarded speaker and author on subjects relating to nuclear counterterrorism, and a partner and member of international teams formed to combat nuclear terrorism.

Mr. Rosano was the principal author of nuclear counter-terrorism regulations for the U.S. Federal Government, a long-term member of the International Atomic Energy Agency's Task Force on nuclear security, the author of many published papers on the subject of nuclear counter-terrorism, and a frequent speaker on the U.S. and international stage on the same subject.

Mr. Rosano entered the service as an inspector for the U.S. Nuclear Regulatory Commission, rose through the ranks and assumed overall responsibility for regulatory oversight of the nuclear power reactor security program nationwide, supervising large staffs of regional inspectors and managing the programmatic responsibilities of the headquarters office, including regulations and guidance, inspection oversight, force-on-force testing, and enforcement of findings relating to weaknesses identified in security programs in the nuclear industry. He served as the senior nuclear advisor to the NRC Executive Director for Operations and three NRC Chairmen and was instrumental in developing long-standing policies and programs for the NRC's oversight of nuclear security operations.

Following 33 years of Federal service, Mr. Rosano spent 16 years as a consultant and manager of strategic performance programs for the nuclear industry. During that time, he was well recognized in the U.S. and the international community, resulting in requests for him to publish papers on nuclear counter-terrorism and to address a variety of international conferences and symposia, described in greater detail below.

SECURITY CLEARANCE

Top Secret / Secret Compartmented Information (TS/SCI)
(currently inactive though immediately renewable)

CURRENT POSITIONS

Member, Montgomery County (MD) Police Accountability Board (2025 to present)

Commissioner, City of Rockville (MD) Commission on Aging (2023 to present)

PROFESSIONAL HISTORY

Independent Consultant – Nuclear Security and Counterterrorism, 2019 to present

Based on a 49-year career in nuclear security and counterterrorism (33 years in Federal service; 16 years in commercial sector), serving at the highest levels of the field at the U.S. Nuclear Regulatory Commission and as a team member at the International Atomic Energy Agency, Mr. Rosano is providing services as an independent consultant in the field. Special emphasis is on development of regulations and guidance (domestic and international); critical infrastructure security design and layout; vulnerability assessment; force-on-force testing protocols; compliance inspections; incident preparedness and response; and communications.

Excel Services Corporation**Senior Vice President, Critical Infrastructure Protection, 2016 – 2019**

Principal focus is on the energy sector, particularly nuclear power and fuel cycle, providing support in technical matters and regulatory affairs for U.S.-domestic and international partners in the nuclear arena. Serves as a permanent member of the U.N. International Atomic Energy Agency's task force on nuclear security, permanent member of various task forces in nuclear security for the Nuclear Energy Institute, and as an advisor to U.S. Nuclear Regulatory Commission and Department of Energy nuclear programs.

Talisman International (Partner)**Director, Nuclear Security Regulatory Services, 2008 – 2016**

Principal areas of focus include regulatory licensing, risk assessment, critical infrastructure protection, and special projects for U.S. Government clients. His experience in military intelligence, counter-terrorism, and infrastructure protection has been recognized in many countries and by international organizations such as the World Institute for Nuclear Security (WINS), the International Atomic Energy Agency (IAEA), and the Nuclear Energy Institute (NEI). As a result of his experience and his knowledge of the regulatory, governmental, and technical aspects of counter-terrorism, Mr. Rosano has been the featured speaker at a number of U.S. and international conferences and has published numerous papers on the subject.

In his international work while at Talisman, he has assisted government officials in the development of security program design in Switzerland, Japan, and the United Arab Emirates. He has worked with commercial utilities in United Arab Emirates, Kansai (Japan), Mitsubishi Nuclear Energy Services, and the Korea Hydro and Nuclear Program.

U.S. Nuclear Regulatory Commission**Senior Nuclear Security Advisor, Office of Nuclear Security and Incident Response 2001 – 2005**

Mr. Rosano was the Senior Nuclear Security Advisor in the Nuclear Regulatory Commission (NRC) Office of Nuclear Security and Incident Response. He advised the Executive Director of Operations and the Commission on matters involving nuclear security, regulatory oversight and enforcement, and incident response. He also represented the Commission at conferences and symposia on matters involving this critical sector and served as the principal communicator for policy and standards for the nuclear industry replying to requests from Members of Congress, Federal agencies, and State and local government organizations.

U.S. Nuclear Regulatory Commission**Senior Nuclear Security Advisor to NRC Chairman (intermittent service from 1996 – 2005)**

Mr. Rosano represented the NRC at numerous conferences and symposia, speaking for the Commission on a wide range of matters pertaining to nuclear security and incident response. He was the principle agency point-of-contact for Congressional testimony and public speeches given by the Chairman of the NRC on matters pertaining to nuclear security. He led numerous task forces and committees convened to review and modify past regulatory requirements, led teams of security professionals in investigations of specific incidents, and was the primary architect of security regulations issued or modified by the NRC since the early-1980s. He was the team leader for all communications issued by the NRC on matters of security following the terrorist attacks of September 11, 2001.

Mr. Rosano served on international security inspection teams as a member of the IAEA-sponsored bi-lateral program and is a current member of the IAEA task force to develop international standards

for security during the lifetime of a nuclear facility. He inspected nuclear sites in Greece, Germany, and the Czech Republic and advised government officials on regulatory requirements and IAEA guidance.

U.S. Nuclear Regulatory Commission

Chief, Nuclear Reactor Security Program, Office of Nuclear Reactor Regulation, 1996-2001

Mr. Rosano rose from the ranks of nuclear security inspectors and as the NRC's senior security enforcement officer to assume responsibility for the national program of nuclear security for power reactors and fuel fabrication facilities. In this role, he supervised a large staff of regional inspectors and a headquarters staff of security experts responsible for establishing policy and the direction of the regulatory oversight in nuclear security, and in developing requirements and formalized guidance for the industry to use in instituting security and counter-terrorism programs.

While in that position, Mr. Rosano managed the Federal government's regulatory oversight of the nuclear power reactor security program nationwide, managed the NRC's force-on-force testing program at nuclear facilities, and advised the industry and NRC Commissioners on matters pertaining to advances and challenges in nuclear counter-terrorism.

U.S. Nuclear Regulatory Commission

Program Manager and Senior Inspector, Office of Nuclear Reactor Regulation, 1977-1996

Mr. Rosano was admitted to service in the NRC following his completion of studies in criminology at the University of Maryland following a four-year stint in the U.S. Air Force during the Vietnam conflict. Over the next twenty years, Mr. Rosano had a series of responsibilities of increasing importance, and provided significant input to the development of regulations and guidance in the fields of nuclear security, emergency preparedness, and enforcement.

U.S. Air Force (1970-1974)

Sergeant Rosano was the principal teacher and therapist in the USAF drug and alcohol rehabilitation programs at Tyndall Air Force Base (Panama City, FL) and Takhli Royal Thai Air Force Base (Takhli, Thailand). As a parallel duty, he served as an interrogator of both friend and enemy combatants, as required.

He was discharged with full honors after four years of service to his country during the Vietnam War.

EDUCATION

Bachelor of Arts in Criminology and Criminal Justice
University of Maryland, 1976 (graduated Summa Cum Laude)

VOLUNTEER WORK

- Rockville City Commission on Aging, 2023 – Present
- Affirmative Action Advisory Committee, U.S. Nuclear Regulatory Commission
- Affirmative Action Advisory Committee, U.S. Air Force (1971-1973)

PUBLICATIONS AND SPEECHES

Publications (copies available upon request)

- Team member for IAEA development of publication “Security During the Lifetime of a Nuclear Facility” (IAEA NSS 35-G, July 2019)
- “Performance Testing Nuclear Security” – IAEA International Conference on Nuclear Security (Vienna, Austria, November 2017)
- “The Future of Nuclear Security – An International Model” – IAEA International Conference on Nuclear Security (Vienna, Austria, December 2016)
- “A New Security Model for Alternative Nuclear Designs” - NATO-2014 conference (Los Angeles, California, November 2014).
- “Sharing Sensitive Information Across International Borders” - IAEA International Conference on Nuclear Security (Vienna, Austria, July 2013)
- “Security for Alternative Nuclear Designs” – IAEA International Conference on Nuclear Security (Vienna, Austria, July 2013)
- Authored or provided executive oversight of numerous NRC documents including Commission Policy Papers, Commission SECY Papers, Procedures, Regulatory Issue Summaries, and Information Notices. List available upon request.

Presentations

- Keynote speech at IAEA International Conference on Nuclear Security – “Performance Testing Nuclear Security” (Vienna, Austria, November 2017)
- “The Future of Nuclear Security” – National Nuclear Security Conference (June 2017)
- Keynote speech at IAEA International Conference on Nuclear Security – “The Future of Nuclear Security – An International Model” (Vienna, Austria, December 2016)
- Current and continuing member of Task Force at the International Atomic Energy Agency to develop guidance in nuclear security for the lifetime of the facility
- “Security for Alternative Nuclear Designs” - National Nuclear Security Conference (June 2015)
- “A New Security Model for Alternative Nuclear Designs” – NATO-2014 Advanced Research Workshop on Preparedness for Nuclear and Radiological Threats (November 2014)
- “Security for Alternative Nuclear Designs” – IAEA International Conference on Nuclear Security: Enhancing Global Efforts (Vienna, Austria, July 2013)
- “Sharing Sensitive Nuclear Security Information Across International Borders” – World Institute of Nuclear Security workshop (Vienna, Austria, February 2012)
- Briefed Swiss government nuclear security agency on NRC perspective on nuclear security (November 2010)
- “The History and Trends in Nuclear Security Regulation” – National Nuclear Security Conference (June 2006)

Qualifications

Critical Infrastructure Security Design and Layout - Served as principal architect of requirements for security design and layout of nuclear power, non-power, and fuel cycle facilities. Was the senior inspector for implementation of new security requirements. Developed security programs for commercial clients in the nuclear industry.

Vulnerability Assessment and Force-On-Force Testing - Managed the vulnerability assessment and target set analysis of nuclear power reactor security programs. Supervised the NRC program of force-on-force testing of nuclear power reactor facilities. Led inspection teams and mock adversary teams in testing of utility contingency response programs and mitigation plans.

Nuclear Security Compliance Inspection - Served as senior security inspector and senior security and incident response enforcement officer for NRC. Served as investigator in security cases involving possible criminal wrongdoing.

Incident Response - Supervised the duty officers at NRC's Operations Center. Managed rapid response program and developed first agency-wide response procedure for NRC in dealing with potential radiological events at licensed facilities.

Management - Managed task forces, ad hoc committees, and permanent organizational units in the areas of nuclear security and incident response. Served as Chief, Nuclear Reactor Security Program, in NRC Office of Nuclear Reactor Regulation.

Communications - Served as Team Leader, Communications Team, reporting to the NRC Chairman in the years following September 11, 2001, and was responsible for all communications issued by the NRC on matters concerning nuclear security during that time. Was the primary author of the majority of NRC's security regulations. Has published several papers and eight recent books.