



## STATEMENT BY THE EURO-ATLANTIC SECURITY LEADERSHIP GROUP (EASLG)

Prepared for Presidents, Prime Ministers, Parliamentarians, and Publics

# Support for Space Security and Stability

Today, more nations than ever are contributing to and benefiting from the exploration and use of outer space. In the past five years alone, more satellites have been launched by governments and commercial companies than in the previous six decades combined. More than 100 nations and multi-lateral organizations now have at least one satellite in orbit, compared to just 14 at the turn of the century. There are now more than 10,000 active satellites, including for critical defense and national security functions, with more than 40,000 objects including debris currently in orbit—a serious challenge for ad hoc space traffic management. Safeguarding the space environment and the significant positive benefits derived from it now constitutes one of the principal challenges of the 21st century.

Critical military functions including early warning, crisis communication, and command-and-control systems rely heavily on space-based systems. Satellites support missile launch detection, secure communications, navigation, and intelligence—all functions critical to avoiding miscalculation and unintended escalation. As space becomes more congested, contested, and militarized, interference with these systems, whether deliberate or accidental, has the potential to magnify the risk of crisis instability, particularly in the nuclear domain.

The space domain described above looks completely different today than that which existed when the 1967 Outer Space Treaty—officially the “Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, Including the Moon and Other Celestial Bodies”—was established as a foundation for international law governing the use of outer space. The Treaty’s legally-binding commitment to not place in orbit any objects carrying nuclear weapons or any other kinds of weapons of mass destruction remains essential. Increasing confidence in states’ adherence to this prohibition should be a priority. Yet the security challenges presented by the increasing use of space for military and civilian uses—including dual-use systems as we have seen throughout the war in Ukraine—cannot reasonably be met by relying only on a treaty designed almost 60 years ago.

Without practical steps to prevent conflict in space, the danger of nuclear catastrophe—by design or by blunder—grows significantly. The risk is further exacerbated by uncertainty over the future of nuclear arms control, allegations of plans to place nuclear weapons in space, and the possibility that one or more nuclear-armed states may resume explosive nuclear weapon tests. In such an environment, instability in space may trigger or accelerate a crisis on earth.

In January 2022, the leaders of China, France, Russia, the United Kingdom, and the United States together affirmed that, “a nuclear war cannot be won and must never be fought” and that strategic risk reduction was among their foremost responsibilities. These vital principles are essential to ensuring predictability, building trust, and reducing the danger of nuclear war. Fulfilling this responsibility today requires urgent attention to a domain that has become indispensable to nuclear stability: outer space.

Since the early 1960s, the United Nations has passed a series of resolutions, and nations have concluded various agreements, containing principles and obligations governing the peaceful exploration and use of outer space. Today, those principles must be applied in an era of rapid technological development, including cyber and artificial intelligence, and the expanding military use of space including dual-use systems by a growing number of nations. Simulated and actual testing of anti-satellite weapons by several nations have demonstrated how space could become a battlefield, in some cases creating dangerous debris in space. Even the legally binding commitment under the 1967 Outer Space Treaty regarding weapons of mass destruction appears at risk. Any use of nuclear weapons in outer space would render important regions of space unusable for extended periods causing indiscriminate and devastating impacts for everyone on earth.

Leaders of nuclear-armed nations and other states parties to the Outer Space Treaty, many of whom possess or could develop capabilities to disrupt the peaceful use of space, should affirm the historic principles governing the use of outer space for peaceful purposes, and—recognizing that space is now a contested domain—commit to apply and adapt these principles to reducing the risks of conflict in space. Such a statement would signal a shared recognition of responsibility to prevent war in space, lay the groundwork for practical steps to reduce risks (including measures governing the testing and deployment of anti-satellite and other space weapons), and help ensure that space remains regulated and free. These principles could include the following seven points:

- 1 The importance of **international cooperation** in the peaceful exploration and use of outer space, for the benefit of all peoples.
- 2 The importance of **freedom of scientific investigation** in outer space.
- 3 The importance of ensuring that **space remain free from claims of sovereignty or occupation**, and that the moon and other celestial bodies be used exclusively for peaceful purposes.
- 4 The importance of **further developing the rule of law and non-binding norms of behavior** in the exploration and use of outer space. Such a framework could be applied to international space traffic management, broader transparency and confidence building measures applied to anti-satellite weapons and testing, and avoidance of unintended escalation especially associated with dual-use systems.
- 5 The importance of **refraining from placing in orbit around the earth** any objects carrying **nuclear weapons or any other kinds of weapons of mass destruction**, installing such weapons on celestial bodies, or stationing such weapons in outer space. Nuclear weapons in space would increase the risk of unintended, mistaken, or unauthorized nuclear use and put increasing pressure on nuclear “fail-safe” measures designed to reduce these risks. Here, too, both normative and legally binding measures building on the Outer Space Treaty should be considered and applied.

- 6 The importance of **states bearing international responsibility for national activities in outer space**, whether conducted by governmental agencies or non-governmental entities, including the commercial sector.
- 7 The importance of **consultations** regarding activities or experiments that could interfere with the peaceful exploration and use of outer space.

Development and acceptance of these principles should be facilitated by a strong new impulse to inclusive dialogue on space security and stability mandated by political leaders. Leaders should make clear their intent to establish a process capable of responding more rapidly to changing technological, political, and military developments in the space domain.

The dialogue would build on existing treaties and agreements, take advantage of existing forums where possible, and support concrete steps in support of the above principles. If a new forum is required, the three depositary governments of the Outer Space Treaty—the Russian Federation, United Kingdom, and the United States—working with, among others, China, the European Union, India, Japan, France, Germany, and the United Nations, should undertake to organize such a dialogue, including participation by the commercial sector, and prepare an agenda for its first meeting at the earliest possible date.

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## Signatories

### Co-Conveners

**Des Browne**  
*Vice Chair, Nuclear Threat Initiative; Chair of the Board of Trustees and Directors of the European Leadership Network; and former Secretary of State for Defence, United Kingdom*

**Ambassador (Botschafter a.D.) Wolfgang Ischinger**  
*President, Munich Security Conference Foundation Council, Germany*

**Ernest J. Moniz**  
*Co-Chair, Nuclear Threat Initiative; and former U.S. Secretary of Energy, United States*

**Sam Nunn**  
*Founding Co-Chair, Nuclear Threat Initiative; and former U.S. Senator, United States*

**Christine E. Wormuth**  
*President and CEO, Nuclear Threat Initiative; and former U.S. Secretary of the Army, United States*

### Participants

**James Acton**  
*Co-Director, Nuclear Policy Program and Jessica T. Matthews Chair, Carnegie Endowment for International Peace, United States*

**Ambassador (Ret.) Brooke D. Anderson**  
*Former Chief of Staff and Counselor, White House National Security Council, United States*

**Steve Andreasen**  
*National Security Consultant, Nuclear Threat Initiative; and former Director for Defense Policy and Arms Control, White House National Security Council, United States*

**Joel Bell**  
*Chairman, Chumir Foundation for Ethics in Leadership, Canada*

**Julia Berghofer**  
*Senior Policy Fellow, European Leadership Network, Germany*

**Kathryne Bomberger**  
*Director-General, International Commission on Missing Persons, United States*

**Philip Mark Breedlove**  
*General (Ret.), U.S. Air Force; former Commander, U.S. European Command; and 17th Supreme Allied Commander Europe of NATO, United States*

**Richard Burt**  
*Managing Partner, McLarty Associates, United States*

**General (Ret.) Vincenzo Camporini**  
*Vice President, Istituto Affari Internazionali, Italy*

**Oleksandr Chalyi**  
*Former First Deputy Minister of Foreign Affairs of Ukraine; former Foreign Policy Advisor to the President of Ukraine; and Associate Fellow, Geneva Centre for Security Policy, Ukraine*

## Participants (continued)

### **Ambassador (Ret.) Alper Coşkun**

Senior Fellow, Carnegie Endowment for International Peace, Türkiye

### **James Cowan**

CEO, HALO Trust, United Kingdom

### **Charles B. Curtis**

Founding President Emeritus, Nuclear Threat Initiative, United States

### **Paul Dean**

Vice President for Global Nuclear Policy, Nuclear Threat Initiative, United States

### **Admiral Giampaolo Di Paola**

Former Chief of Defence; former Chairman of NATO's Military Committee; and former Minister of Defence, Italy

### **Susan Eisenhower**

Chairman, The Eisenhower Group, Inc.; and former member of the U.S. National Academy of Sciences' Standing Committee on International Security and Arms Control, United States

### **Vasyl Filipchuk**

Ukrainian diplomat; former Political and EU Director of the Ministry of Foreign Affairs of Ukraine; and Senior Advisor at the International Center for Policy Studies in Kyiv, Ukraine

### **Alexander Graef**

Senior Policy Fellow, European Leadership Network, Germany

### **Nikita Gryazin**

Policy Fellow, European Leadership Network, United Kingdom

### **Sir Chris Harper KBE FRAeS**

Air Marshal (Ret.); and former Director General, NATO International Military Staff, United Kingdom

### **Dr. Clemens Häusler**

Germany

### **Alexander Hug**

Head of Mission, Iraq Program, International Commission on Missing Persons; and former Principal Deputy Chief Monitor of the Organization for Security and Co-operation in Europe Special Monitoring Mission to Ukraine, Switzerland

### **Patricia Jaworek**

Director, Global Nuclear Policy Program, Nuclear Threat Initiative, Germany

### **James L. Jones**

General (Ret.), USMC; and President, Jones Group International, United States

### **Aleksandra Khramova**

Member, Younger Generation Leaders Network; and Independent Researcher, Russia/Greece

### **Jane Kinninmont**

Chief Executive Officer, United Nations Association, United Kingdom

### **Andreas Kleiser**

Director for Policy and Cooperation, International Commission on Missing Persons, Germany

### **Bert Koenders**

Former Minister of Foreign Affairs, Netherlands

### **Lukasz Kulesa**

Senior Associate, European Leadership Network, Poland

### **Henrik Larsen, PhD**

Fellow of the Center for European Policy Analysis and the International Center for Defence and Security; Associate Expert of the Geopolitics and Security Studies Center; and Senior Expert of the Geopolitical Intelligence Service, Denmark

### **Dr. Oliver Meier**

Policy and Research Director, European Leadership Network, Germany

### **Mark Melamed**

Deputy Vice President, Global Nuclear Policy Program, United States

### **Pierre Morel**

Former Ambassador, France

### **Rolf Mowatt-Larssen**

Former William J. Perry Distinguished Fellow, Nuclear Threat Initiative, United States

### **Mike Mullen**

Admiral (Ret.), United States Navy; and 17th Chairman of the Joint Chiefs of Staff, United States

### **Ferdinando Nelli Feroci**

Scientific Advisor, Istituto Affari Internazionali, Italy

### **Nadezhda Neynsky**

Former Minister of Foreign Affairs of Bulgaria; former Ambassador to Turkey; and Fellow of Advanced Leadership Initiative, Harvard, Bulgaria

### **Bernard Norlain**

Général d'armée aérienne (Ret.); and President, Initiatives pour le Désarmement Nucléaire, France

### **Dr. Öğr.Üyesi Habibe Özdal**

Istanbul Okan University, Türkiye

### **Joan Rohlfing**

Founder and President, Triastron Technology Corporation; and President and COO Emeritus, Nuclear Threat Initiative, United States

### **Matthew Rojansky**

President, The U.S. Russia Foundation, United States

### **Lynn Rusten**

Former Senior Director for Arms Control and Nonproliferation, White House National Security Council, United States

### **Sir John Scarlett**

Former Chief of the British Secret Intelligence Service; Director, SC Strategy Ltd; and Distinguished Fellow, Royal United Services Institute, United Kingdom

### **Stefano Stefanini**

Former Italian Permanent Representative to NATO; and European Leadership Network Executive Board, Italy

### **Page Stoutland, PhD**

United States

### **Sir Adam Thomson**

Senior Associate Fellow, European Leadership Network, United Kingdom

### **Nathalie Tocci**

Director, Istituto Affari Internazionali; and Special Advisor, HR/VIP, Italy



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