

【参考】 CSpO ビジョン 2031 本文 (2022 年 2 月 24 日発表)

Combined Space Operations Vision 2031

Vision

Partners in national security space operations leading as responsible actors and seeking and prepared to protect and defend against hostile space activities in accordance with applicable international law.



Mission

Generate and improve cooperation, coordination, and interoperability opportunities to sustain freedom of action in space, optimize resources, enhance mission assurance and resilience, and prevent conflict.

The Importance of Space

Space is integral to modern multi-domain military operations and provides strategic advantage. Space-based capabilities deliver a wide range of effects that underpin daily life, including communications, navigation, remote sensing, Earth observation, weather services, and financial transactions. Maintaining and supporting the availability of these capabilities are in the interest of each nation. Continued delivery of these capabilities requires complete access to and freedom to operate in space.

Space has evolved into a contested and congested operational domain. As space becomes more crowded, the security and stability of this critical domain are endangered. Some nations have developed capabilities designed to deny, degrade, and disrupt access to and utilization of space-based capabilities. These nations have demonstrated the ability to hold space-based capabilities at risk and to target critical assets in an effort to reduce our military effectiveness in a crisis or conflict. Further, the lack of widely accepted norms of responsible behavior and historical practice increases the possibility of misperceptions and the risks of escalation.

The convergence of these factors creates compelling strategic and operational urgency that serves as a call to action. We share a desire to accelerate and improve our ability to conduct combined military space operations, as responsible space actors, in order to maintain security and prevent escalation in space and on Earth. We seek to be prepared to protect our national interests and the peaceful use of space.

Shared Guiding Principles

The following guiding principles are shared broadly among the Participants in the Combined Space Operations (CSpO) Initiative Memorandum of Understanding:

- **Freedom of Use of Space:** Militaries have an important role in contributing to international efforts to ensure freedom of access to and use of space. CSpO Participants work to ensure our national security space operations promote a secure, stable, safe, peaceful, and operationally sustainable space domain.
- **Responsible and Sustainable Use of Space:** The world is reliant on space-based systems -- activities in space have consequences across the spectrum of human activity. CSpO Participants pursue activities that endeavor to minimize the creation of long-lived space debris and contribute to the enduring sustainability of the outer space environment.
- **Partnering While Upholding Sovereignty:** CSpO Participants recognize and uphold the rights of each Participant to act and communicate independently and in a manner commensurate with their own national policies and interests. National efforts are synchronized, where appropriate, through clear and open dialogue.
- **Upholding International Law:** Each Participant conducts activities in accordance with applicable international law, including the Outer Space Treaty, the UN Charter, and, in case of armed conflict, with the law of armed conflict.

Objectives

To realize our vision and mission, CSpO Participants affirm the following objectives to guide our national and collective actions:

- **Prevent conflicts** – CSpO Participants seek to prevent conflict, including conflict extending to or originating in space. By strengthening coordination, building resiliency, promoting responsible behavior in space, enhancing partnership, and communicating transparently, we improve our national and collective abilities to prevent conflict and to promote security and stability in all domains.
- **Unity of Effort** – CSpO Participants seek to enable combined space operations by sharing information across multiple classification levels – from the strategic to the operational and tactical levels, and at a pace that is

operationally relevant – through real-time synchronized networked operations centers operated by a workforce with common training.

- **Space Mission Assurance** - CSpO Participants seek to establish and maintain a robust, responsive, and interoperable space infrastructure enabling continued space effects in the face of adverse action or changes to the space domain. Ensuring the continued function and resilience of equipment, facilities, networks, information and information systems, personnel, infrastructure, and supply chains, we seek to deny the benefit of interference and to ensure the availability of CSpO Participants' national security mission-essential functions throughout the spectrum of military operations.
- **Defense and Protection** - CSpO Participants are committed to the defense and protection of our national interests and the space domain. This may include collaboration across a range of measures, such as: developing requirements for current and future systems to counter hostile space activities and to deter, deny, or defeat attacks or interference with the space enterprise; delivering the ability for combined, agile, and adaptive command and control through resilient, secure, interoperable, and sustainable communications; sharing appropriate intelligence and information; and timely and inclusive leadership dialogues and decision-making.

Lines of Effort

The CSpO Participants seek to achieve the shared objectives outlined above through several lines of effort (LOE). The following LOEs provide a framework to guide the national and collective efforts of CSpO Participants:

- **Develop and operate resilient, interoperable architectures** to enable space mission assurance and unity of effort, through identification of gaps and collaborative opportunities.
- **Enhance command, control, and communications capabilities and other operational linkages among CSpO Participants** to support unity of effort and the ability to conduct combined and synchronized operations throughout the spectrum of military operations.
- **Foster responsible military behaviors in space** to promote conditions to maintain freedom of use, access to, and sustainability of the space domain, and to discourage irresponsible behavior and avoid escalation.
- **Collaborate on strategic communications efforts** to set the desired conditions in the information environment.
- **Share intelligence and information** to create a common understanding and support unity of effort.
- **Professionalize space cadres and training** to energize shared, common understanding of the space domain, share best practices, and increase our collective expertise.

Conclusion

The CSpO Participants are committed to pursuing the above objectives and lines of effort in alignment with our shared guiding principles to achieve our national and collective interests. The expansive opportunities and challenges presented by the rapidly changing space domain require collaboration to enhance responsible behavior and promote a secure, stable, and sustainable domain. Through our discussions and working group activities, we intend to implement national and collective efforts towards those ends.

【参考】CSpO ビジョン 2031（2022年2月24日発表）要約

CSpOビジョン2031は、持続可能な宇宙利用上の課題、技術の進歩による脅威の増加、他国の攻撃的な対宇宙能力の増加などの認識のもと、責任ある宇宙利用を推進するための戦略構想（イニシアチブ）であり、①宇宙利用の自由 ②責任ある持続可能な宇宙利用 ③各国の主権を尊重したパートナーシップの提携 ④国際法の遵守を「共通の指針」として掲げている。

（1）ビジョン

国際法に則り、責任ある行動者として主導し、宇宙における敵対行動から防衛及び防護することを希求し、そのための態勢が整った、国家安全保障における宇宙作戦のパートナーシップであること。

（2）任務

協力、調整、相互運用の機会を創出し、改善することにより、宇宙における行動の自由を維持し、資源を最適化し、任務保証とレジリエンスを高め、紛争の発生を防止すること。

（3）宇宙の重要性

ア 宇宙利用はマルチドメイン作戦に不可欠であり、戦略的優位性を提供する。また宇宙ベースの能力は、通信、航法、金融取引等、日常生活を支えるものである。これらを利用可能状態に維持することは国益に繋がるものであり、完全なアクセスと活動の自由が必要不可欠

イ 一部の国が宇宙へのアクセスと利用を拒否し、混乱させる能力を開発

ウ 国際規範や歴史的慣習がないため誤解が生じやすく、事態がエスカレートする可能性

（4）共通の指針

① 宇宙利用の自由 ②責任ある持続可能な宇宙利用 ③各国の主権を尊重したパートナーシップの提携 ④国際法の遵守

（5）目標

- ① 紛争の防止：調整の強化、強靱性の向上、責任ある行動の促進、パートナーシップの強化、透明性の確保により、宇宙に及ぶ又は宇宙に起因する紛争を防止
- ② 努力の統一：参加国は、共通の訓練を受けた隊員により運用されるリアルタイム同期によりネットワーク化されたオペレーション・センターを通じて、戦略レベルから作戦・戦術レベルまでの各レベルで情報を共有し、運用に適したペースで宇宙における統合運用を目指す。
- ③ 宇宙任務保証：参加国は堅牢で応答性が高く相互運用性のある宇宙インフラを確立するとともに、装備、施設、ネットワーク、情報システム、人員、インフラ、サプライチェーンを確保し、妨害行為の利を拒否し、軍事作戦全域における参加国の任務を保証する。
- ④ 防衛と防護：適切な情報共有、時機に適したリーダーシップ間の対話を実施するとともに、強靱性、保全、相互運用性、持続可能な通信を通じた機敏で適応性のある指揮通信により、現在及び将来の敵対活動に対する抑止、拒否、攻撃の無効化又は企業との干渉を含む幅広い手段における協力を実施し、参加国の国益と宇宙領域を防衛する。

（6）努力の方向性（LOE）

- ① 強靱で相互運用性のあるアーキテクチャーを開発し運用することにより、任務保証と努力の統一を実現する。
- ② 参加国間の指揮統制、通信及びその他の作戦上の繋がりを強化し、軍事作戦の全領域において、努力の統一と複合的・同期的作戦の実施を支援する。
- ③ 宇宙における責任ある軍事活動を促進し、宇宙領域の自由な利用及びアクセス並びに持続可能性を維持するとともに、無責任な行動を排除し、エスカレーションを避ける。
- ④ 戦略的コミュニケーションにおいて協力し、望ましい情報環境を構築する。
- ⑤ 基幹隊員のプロフェッショナル化と訓練を実施し共通理解を深めるとともに、ベストプラクティスを共有し、集団的な専門性を高める。

（7）結論

CSpO参加国は、我々の国益と集団的利益を達成するために、共通の指針に従い、上記の目標と努力の方向性を追求することを約束する。急速に変化する宇宙領域がもたらす広範な機会と課題は、責任ある行動を強化し、安全で安定した持続可能な領域を促進するための協力を必要とする。我々は、議論やワーキンググループの活動を通じて、これらの目的に向けた国家的・集団的な努力を実施する。