

人工衛星等の打上げ及び人工衛星の管理に関する法律等の一部を改正する法律の概要

1. 背景

- 我が国の宇宙開発利用は、近年、**新規参入事業者の急増や技術革新の進展等により急速に多様化**している。これに伴い、ロケットの打上げを取り巻く環境も大きく変化し、その開発競争が激化する中で、**様々な形態でのロケットの打上げが出現**しつつある。
- こうした変化を背景として、**打上げ価格の低廉化等**の状況が生じており、制御されないモニュメントや研究用の人工の物体が地球を回る軌道又はその外に投入されるなど、**打ち上げられる物体の多様化が進んでいる**。
- 現行の「人工衛星等の打上げ及び人工衛星の管理に関する法律」（以下「宇宙活動法」という）は、**軌道上で制御される人工衛星の軌道投入を中心に規制する体系**となっており、**多様なロケットの打上げや打ち上げられる物体に対応できていない**。

2. 法案の概要

I. 公共の安全を確保しつつ、ロケットの打上げに関する多様な需要に対応するため、ロケット単体での打上げに係る規制体系を整備することにより、人工衛星の軌道投入を中心に規制する体系から、**ロケットの打上げに着眼した規制体系に変更**【宇宙活動法】

➤ **更なる多様なロケットの打上げ形態（新たな宇宙輸送）に対応するための制度的基盤を整備**

- ① 開発段階の試験打上げにおいてダミーペイロードを搭載して行う打上げ等の、**人工衛星の搭載又は分離を伴わない打上げを許可対象に追加**

※損害賠償担保措置・無過失責任等を前提として、政府補償の対象に追加。

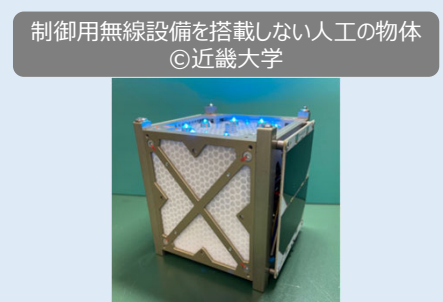
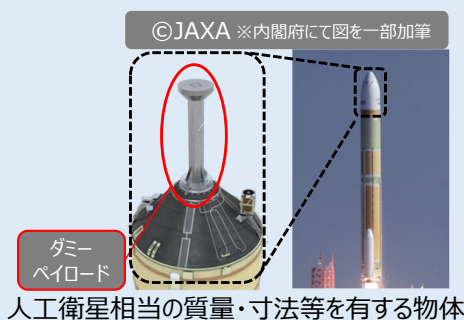
➤ **ロケットの開発を促進し、民間による新たな宇宙輸送の実現を後押し**

- ② **人工衛星に該当しない人工の物体を規制対象に含めるとともに、投入される軌道等に**
応じ、その構造が基準に適合していることを打上げ前に認定する制度を創設

➤ **公共の安全確保や宇宙空間の有害な汚染等を防止、軌道上活動を活性化**

- ③ ロケットや人工衛星の落下等により生ずる損害の賠償に関する制度を①・②にも適用

➤ **被害者保護も徹底し、引き続き我が国の責任ある宇宙活動の実現を図る**



II. **宇宙基本法の基本的施策に宇宙開発利用に係るロケットの開発等に必要な機器、技術等の研究開発の推進を追加**するとともに、宇宙開発利用に係る「公共の安全の確保」を明記【宇宙基本法】

III. **宇宙政策委員会の調査審議の対象を拡充**し、上記 I ①の新たな打上げ形態における安全の確保や宇宙環境の保全に関する重要事項を対象に位置付けるなど、所要の改正を実施【内閣府設置法】

3. 施行期日

公布の日から起算して1年以内で政令で定める日 ※宇宙基本法は公布の日

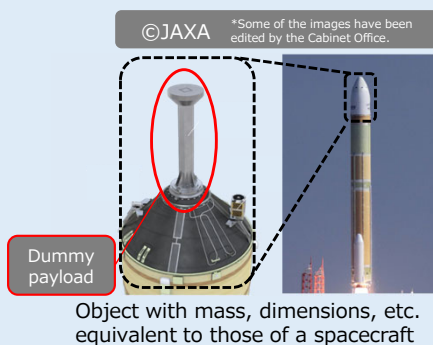
Outline of the Act Partially Amending the Act on Launching Spacecraft and Launch Vehicle and Control of Spacecraft, etc.

1. Background

- In recent years, the development and use of outer space by Japan have **rapidly diversified due to a rapid increase in the number of new market entrants, the progress of technological development, etc.** Along with this trend, the environment surrounding the launching of launch vehicles has also changed significantly, and as competition to develop new forms of space transportation intensifies, **various forms of launching of launch vehicles are emerging.**
- Against the backdrop of these changes, **launch costs have declined, among other circumstances, and the objects to be launched have become increasingly diverse,** with uncontrolled monuments and artificial objects used for research purposes being put into earth orbit or beyond.
- The regulatory system under the current "Act on Launching Spacecraft and Launch Vehicle and Control of Spacecraft, etc." (referred to below as the "Space Activities Act") **mainly regulates the launching of spacecrafts controlled in earth orbit and does not adequately address diverse forms of launching of launch vehicles or objects to be launched.**

2. Outlines of the Bills

- I. In order to respond to diverse needs for launching of launch vehicles while ensuring public safety, establishing a regulatory system for launches of launch vehicles alone, thereby **shifting** from a regulatory system centered around putting spacecraft into earth orbit **to one focused on the launching of launch vehicles** (Space Activities Act)
 - Building an **institutional framework** to accommodate the increasingly diverse **forms of launch activities (new forms of space transportation)**
- (1) **Adding to the scope of launches subject to licenses those that do not involve loading or separating spacecraft,** such as experimental launches with dummy payload during the development phase
 - * Adding those launches to the scope of the government indemnification scheme, based on measures to provide security for damages, strict liability, etc.
 - **Promoting the development of launch vehicles and supporting new forms of space transportation in the private sector.**
- (2) **Including artificial objects that do not fall under spacecraft within the scope of regulation, and establishing a system for certifying, before launching of them, that their configurations comply with applicable standards** depending on orbit into which they are to be put, etc.
 - **Ensuring public safety, preventing harmful contamination of outer space, etc., and stimulating on-orbit activities**
- (3) Extending the system for compensation for damage caused by falling launch vehicles or spacecrafts, etc. to (1) and (2)
 - **Offering thorough protection of victims, while continuing to ensure the responsible activities in outer space by Japan**



- II. **Adding the promotion of research and development of equipment, technologies, etc. necessary for the development and other activities relating to rocket-propelled vehicles in connection with the development and use of outer space** to the **basic policies under the Basic Space Act**, as well as explicitly providing for "ensuring public safety" in relation to the development and use of outer space (Basic Space Act)
- III. **Expanding the scope of surveys and deliberations of the Committee on National Space Policy** to include the important matters related to ensuring safety considering the new launch forms stated in I(1) above and conserving the outer space environment, as well as implementing any necessary amendments (Act for Establishment of the Cabinet Office)

3. Effective Date

The day specified by Cabinet Order within 1 year from the date of promulgation

*For the Basic Space Act: the date of promulgation