

# How JAXA was established



**ISAS**

Institute of

Space and Astronautical Science

Established in 1964 as a research institute of the University of Tokyo to promote space science and development in Japan.



**NASDA**

National Space Development Agency of Japan

Established in 1969 as the central implementation agency for space exploration to promote the development of space.



**NAL**

National Aerospace Laboratory of Japan

Established in 1955 to promote basic and applied aeronautical research on aircraft and advanced research for application to the next generation of aircraft.



**JAXA**  
Japan Aerospace Exploration Agency

On October 1, 2003, three space research institutes were merged to form a national research and development organization responsible for Japan's aerospace development policy.

# Find offices / facilities on the map



## Overseas offices / facilities



## Offices and facilities in Tokyo



**Epsilon Launch site**  
Uchinoura Space Center



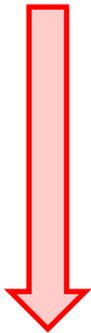
**H2A and H3 Launch site**  
Tanegashima Space Center



# Historical Background

## ■ ~2017 : Past Planetary Protection Activities

- Each project reported to COSPAR to form an international consensus on the categorization & requirements of planetary protection (ex. Hayabusa, Hayabusa2, ...)
- Obtaining international consensus on planetary protection requirements and categorization with the support of ISAS's S&MA team



### An increase in deep space missions requiring planetary protection

- Participation in Artemis & Gateway Program
- JAXA's Strategic Mars Exploration Program (JSMEP)
- Sample return from beyond the main belt
- Commercial missions to Moon & Mars

## ■ 2017~ : Organizational Approach

2018 **Appointed the Planetary Protection Officer PPO in the JAXA S&MA Department.**

Declaration of **JAXA's Planetary Protection Policy** (Regulation No. 30-101, December 2018)

2019 Publication of JAXA Planetary Protection Program Standard (JAXA Management Requirements No.14; JMR-014) and associated handbooks.

2023 **Release of the revised JAXA PP program standard (JMR-014A, Feb. 2023 (J), March 2024 (E)).**

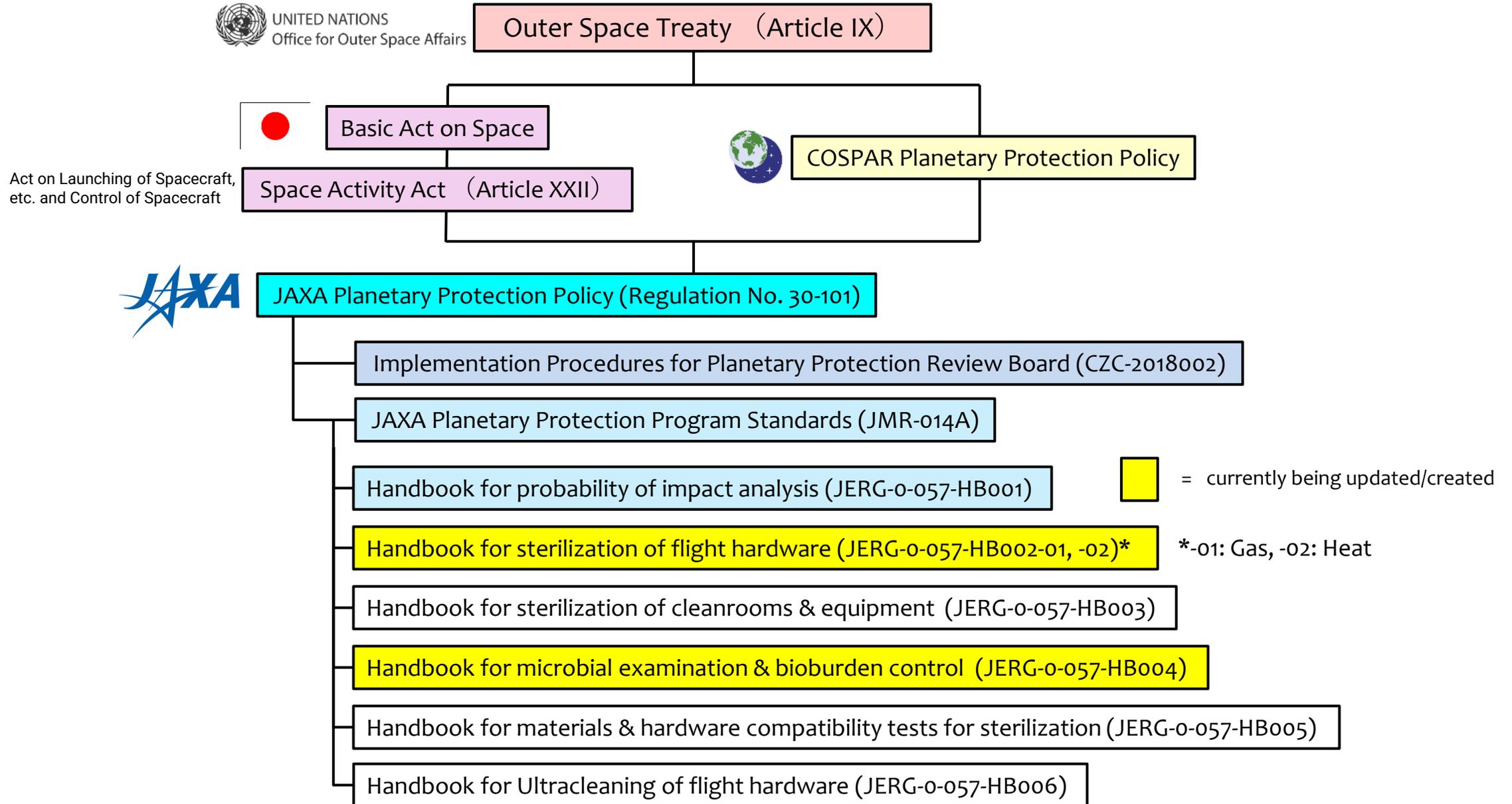
# Planetary Protection Policy at JAXA

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## ■ Planetary Protection Policy

- **JAXA's Planetary Protection Policy** : The Top-Level Regulatory Document.  
**Regulation No. 30-101 issued on December 20, 2018.**
- In accordance with this provision, all JAXA's explorations of solar system bodies will be conducted so as to
  - (1) Avoid their harmful contamination of the target solar system bodies (**forward contamination**)
  - (2) Avoid adverse changes in the environment of the Earth-Moon system resulting from the introduction of extraterrestrial matters (**backward contamination**)**as declared in the COSPAR Planetary Protection Policy**, which guides the compliance with **Article IX of the Outer Space Treaty**.
- **JAXA's Planetary Protection Standard Document No. 014 (JMR-014A, February 2023)**  
**The latest JAXA Management Requirement.**
- In order to address the increasing number of **commercial space activities requiring planetary protection implementation** in Japan, JAXA is now establishing procedures for conducting planetary protection reviews in support of commercial space activities.

# Document Architecture for Planetary Protection



# Organizational Structure for Planetary Protection

