

Japan's Guidelines on a License to Operate a Spacecraft Performing On-Orbit Servicing

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**National Space Policy Secretariat
Cabinet Office, Japan**

Objectives & Regulatory Framework



Cabinet Office
Government of Japan

It is governmental responsibility to ensure, with appropriate national regulation, that **OOS is carried out responsibly under governmental supervision.**

Space Activities Act 2016

Cabinet Order & Cabinet Office Directive
to Implement the Space Activities Act

Licensing Criteria

General Guidelines on Spacecraft Ops

General Requirements

Tips & sample measures to
satisfy the requirements

Published on 10 Nov!

OOS Guidelines

Supplementary
Requirements for OOS

Tips & sample measures to
satisfy the requirements

Appropriate
governmental
supervision

Predictable
regulatory
environment

Transparent
licensing
administration

Good practice
for international
rule-making

Major Requirements

Justifiability of Purposes as a Lawful Business Conduct

- A contract with or consent from a client with the necessary power & authority represented & warranted
- Not conflicting with regulations applied to the client object by its state of registry/licenser

Subsystems necessary for the Safety

- Sufficient power supply & propulsion performance
- Sensors for attitude/trajectory control
- Command & telemetry subsystem for FDIR
- Paint and thermal insulations not nullifying the trackability of a servicer from the ground etc.

O&M plan necessary for the Safety

- Recognition of the in-situational state of the client object
- Situational Awareness of the servicing area
- Principle and conditions for safe approach
- Stability during capturing and docking
- Transfer of a client/generated debris to an appropriate orbit (for relocation/ADR)
- Employment of Go/No-go testing in operations

Transparency of the Safety/Justifiability

- Report mission details to the Government and release the main features of the licensed mission
- Report/share ephemeris and maneuver information to the designated official SSA organizations
- Report/announce, as necessary, information on anomalies and/or failures with potential interference

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