Korean Space Law

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1. Introduction: Korean Space Law - Purpose

Space Development Promotion Act / Space Liability Act

**Establishment of Legal Framework for Korean Space Development**
- Basic Plan
- National Space Committee
- Space Development Institute

**Domestic implementation of International Space Law**
- Space object Registration
- Liability/Launch Permit
- Space object return
- Astronaut rescue
1. Introduction : Framework for space development

National Space Committee

- 15 members: Vice-Ministers of related governmental bodies and civil experts (Chair: Minister of MSIP)
- Basic Plan and governmental policies coordination
- Review of space projects
- Launch Permit for space objects etc.

Space Development Basic Plan

- 5 year long term plan
- Goal and direction of space development policies
- Strategy and implementing system for space development
- Infrastructure building plan
- Funding plan etc.
1. Introduction: Korean Space Law - Structure
1. Introduction: Legal system

- Space Development Promotion Act
- Presidential Decree
- Ministerial Decree
- Launch Plan Ordinance
- Security Management Ordinance
- Satellite Image Utilization Ordinance
- Space Liability Act
- Liability Insurance Ordinance
2. Space Object Registration

Preliminary Registration

- Minister of Science, ICT and Future Planning (MSIP)
- 180 days before the scheduled launch date

Space object launch plan : Contents

- Use and purpose of the space object
- Ownership or user of the space object
- Estimated lifetime and operation period of the space object
- Basic orbital parameters of the space object
- Specification and capacity of the rocket
- Liability for damage arising out of a space accident
- Manufacturer, manufacturing number and date
2. Space Object Registration

- Formal Registration
  - Minister of Science, ICT and Future Planning (MSIP)
  - within 90 days after the space object reaches its planned orbit

- Space object launch plan : Contents
  - The same as preliminary registration contents

- Content Change(s)
  - Minister of Science, ICT and Future Planning (MSIP)
  - within 15 days from the date of the change(s)
2. Space Object Registration

International Registration

- via Minister of Foreign Affairs (MOFA)
- UN OOSA(Office for Outer Space Affairs)

Information to be registered in UN

- Name of launching State or States;
- An appropriate designator of the space object or its registration number;
- Date and territory or location of launch;
- Basic orbital parameters, including:
  - Nodal period,
  - Inclination,
  - Apogee,
  - Perigee;
- General function of the space object.
3. Launcher Regulations - Launch permit

Launch Permit: Application

- Minister of Science, ICT and Future Planning (MSIP)

- Launch Plan
  - Planned date of launch
  - Rocket trajectory
  - Specification and capacity of the rocket

- Safety Analysis Report

- Payload Operation Plan

- Damage Liability coverage
3. Launcher Regulations - Launch permit

Launch Permit: Stipulation

- Minister of Science, ICT and Future Planning (MSIP)

- Grant / No grant of Launch Permit
  - Use and purpose of launch vehicle
  - Safety management of launch vehicle
  - Financial capability, incl. liability insurance
  - Transportation of launch vehicle
  - Launch site surroundings
3. Launcher Regulations – 3rd party Liability Insurance

- a person who launches space objects (incl. launchers) shall be liable for damages owing to space accidents
- the person who wants to obtain a launch permit 3rd party liability insurance is essential
- Insurance amount is decided by MSIP considering
  - the characteristics of space objects,
  - the difficulties of technology,
  - circumstances around the launch site,
  - domestic and foreign insurance market
- Insurance: maximum amount of insurance is 200 billion won (approx. 200 million US$)
- Liability Insurance Ordinance: each launch vehicle ‘s insurance
4. Space Accident Inquiry

Space Accident Inquiry Committee

- **Space Accident**
  - An accident causing loss of life, personal injury or damage to property due to the fall, collision, or explosion of space objects (incl. launchers) and/or similar situations

- **Members**
  - 5~11 from specialists in related fields
  - appointed by MSIP

- **Tasks**
  - to prove cause of space accident
  - to take evidence and analyze the space accident
  - to publication of the inquiry report
5. Recent Amendments

Promotion of Satellite application

- MSIP is to make efforts for promoting the satellite application in a various way
  - establishment of integrated framework for utilizing satellite information (image)
    ※ related ministries: MSIP, Industry, Environment, Land and Transportation, Defense, Ocean & Fisheries and public entities
  - designation of specialized body for the efficient management of satellite information: dealing with supply, data processing, utilization, distribution of satellite information
  - restriction of satellite information in case of security matters
5. Recent Amendments

Space Risk Precaution System

- MSIP is to make effort to avoid or mitigate the damage from space debris, asteroid, collision of space objects, solar dynamics
- Prediction thru. Observation and surveillance: Radar, telescope
- Disaster management: domestic & international framework
Thank You!