

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

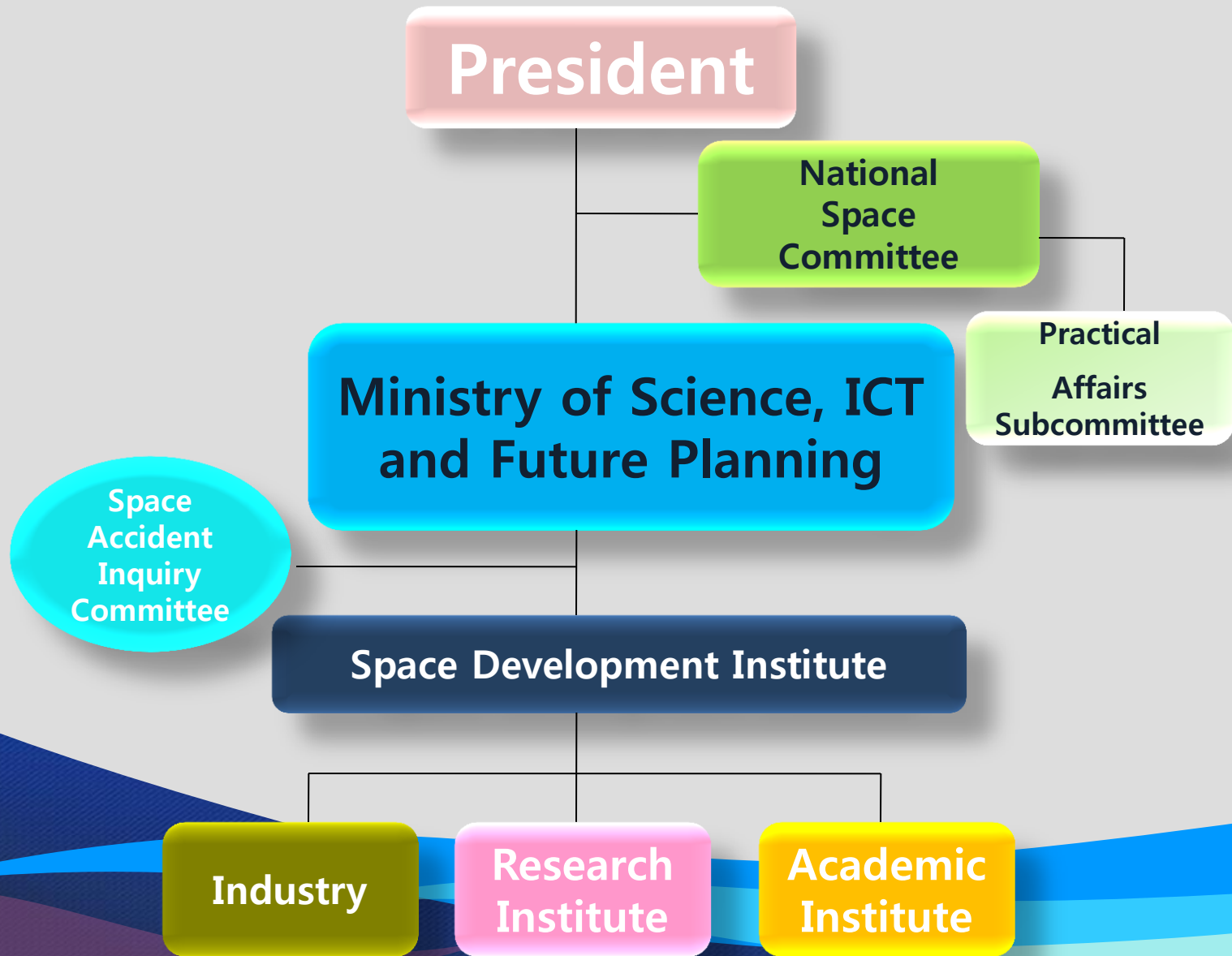
□ National Space Committee

- **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.**

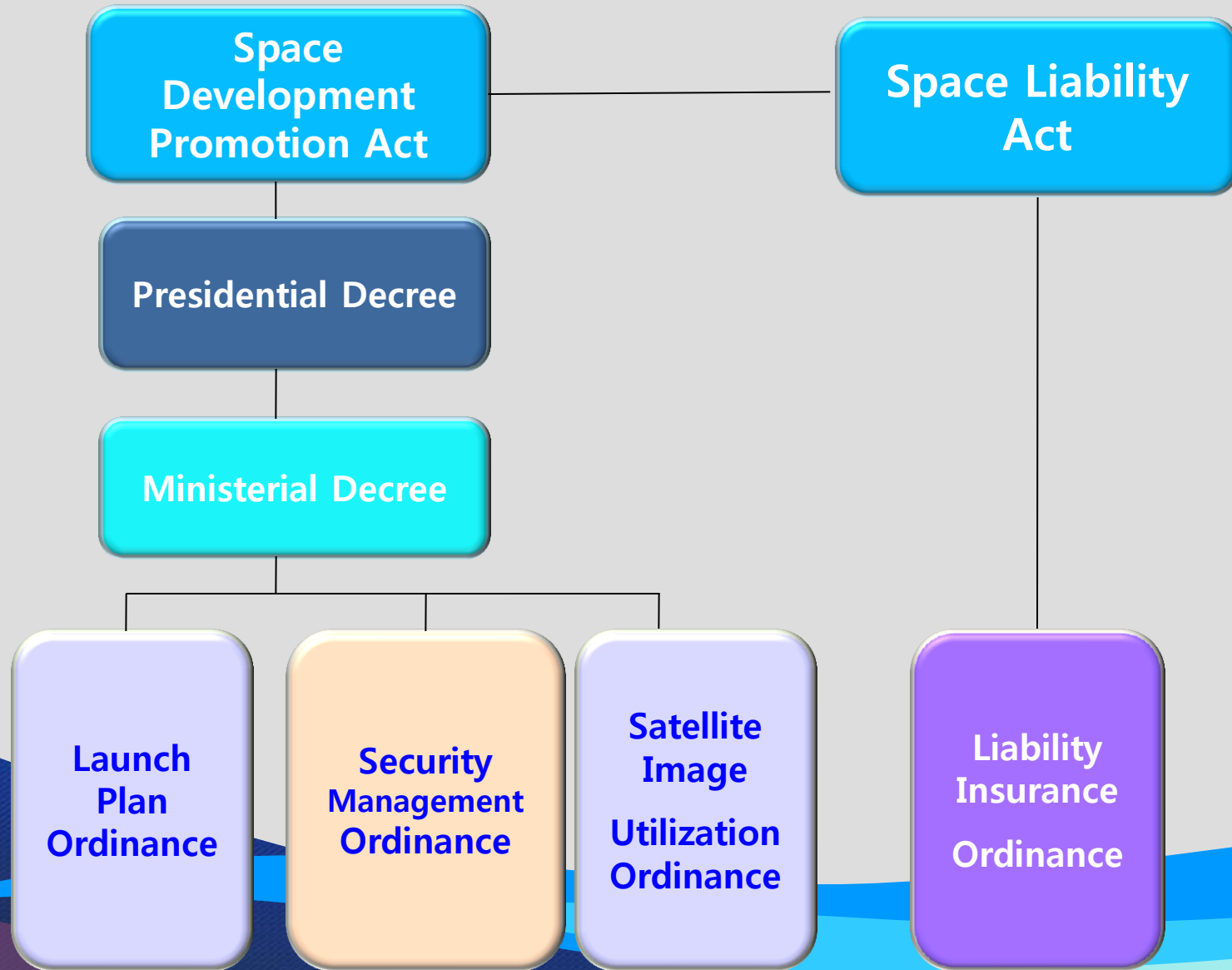
□ Space Development Basic Plan

- **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



□ 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

□ Space Liability Act

- 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!