Thailand National Space Master Plan & Space Law

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National Space Master Plan 2017 – 2036

**VISION**
Aims to develop and utilize the space affairs
For security, prosperity and durability

**MISSION**
- Develop and promote the Space Security
- Develop the space utilizing system for Security, Economic, Social, resources, environment and disaster management
- Develop and promote of space economy and industry
- Develop and manage the space infrastructure for the sustainable development
- R & D the Space Innovation, space monitoring and space experiment and exploration
- Capacity building and Human resource development
- Develop the International cooperation
- Space policy management of the country

**An Overview**

**Strategy 1**
1) Enhance the Space infrastructure for national security
2) Building the Space Affairs management mechanism for Safety and Security

**Strategy 2**
Space technology for Sustainable Development
System integration for space technology utilization for whole country participates Development

**Strategy 3**
Space Economy Development
1. Develop Value – chains of Space Industry and increase competitive advantage
2. Build up the capacity for the aerospace industry driven

**Strategy 4**
Administration of Space Infrastructure
1. Space Infrastructure Administration with International Standard
2. The Economic and Social Value of Utilizing the Space Infrastructure

**Strategy 5**
Space Research, Development, and Innovation
Push forward the National Academy of Space Science to be a Space Excellent Center in ASEAN region

**Strategy 6**
H.R. Development and Capacity Building
H.R. Development in space area for support National Space Master Plan driven

**Strategy 7**
International Cooperation
To raise up the cooperation and participation in space activities in international level for supporting strategies moving forward

**Strategy 8**
The National Space Master Plan driven Mechanism

National Space Master Plan : THAILAND
GOALS: Thailand as a Space Hub in ASEAN

The main strategic issues in the National Space Master plan includes:

1. Space Activity for National Security
   - Preserve the national interests, life safety and property by using the space technology

2. Space technology for Sustainable Development
   - Utilize the space technology in the form of area-based management

3. Development of Space Economy
   - Develop space industry and enhance value of the national space economy

4. Administration of Space Infrastructure
   - Establish an integrated space-based infrastructure and promote the use of such infrastructure

5. Space Research, Development, and Innovation
   - Create indigenous space research, development and to maximize its utilization while maintaining high quality standards and international recognition

6. Human Capacity Building
   - Develop personnel having expertise and experiences in working with governmental and private entities to help drive the National Space Strategy

7. International Cooperation
   - Play important roles in the international platform and be recognized in terms of space capabilities and potentials

8. Administration of Space Policy and Strategy
   - Develop national space laws, establish National Space Agency, support cooperation among government, private, academia, and others
National Space Law

• Thailand had ratified the Outer Space Treaty (1967) and Rescue Agreement (1968)

• A draft of National Space Affairs Act is under developing with a purpose to fulfill national space legislation to comply with international space law.

• A Landing Rights and Marketing Access Policy with a purpose to regulate authorization given to satellite operator to enter a national market to provide communication services is also being drafted.

• The National Space Affairs Act will be based on 3 essential principles:

  1. To establish an organization as the center of national space affairs administration.

  2. To maintain international space commitment, as well as, preparing for further commitments.

  3. To promote and support the space industry, R&D on space technology, and space affairs regulation.
Workshop on “Space law for New Space Actors”

• Will be co-organized with UNOOSA (tentatively, in November or December 2019, Thailand)

• Targets: Emerging space countries in the Asia-Pacific region. (Especially, ASEAN countries.)

• Responsibility of States for governmental and non-governmental space activities/ Liability for damage caused by space objects/ Duty to provide information on and to register space objects/ The launching debris issue/ Space Situation Awareness/ Space Traffic Management etc.