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CURRENT STATUS AND FUTURE PLANS FOR STM IN KOREA

Abstract

This paper aims to provide Current status and Future plans for STM in Korea. Content comprises of Definition and related status, Main Actors and Responsibilities, Policies, Strategies and Regulatory Framework, Technical Capabilities, International Dimension, Assessment of STM approach in Korea.

Introduction will delve into understanding the importance and need for and international regime and the present attempts and existing structures that relate to STM.

The objective of this paper is to provide a comprehensive assessment of the status of STM in Korea. The overview will be carried out by following a four-step approach, corresponding to four sub-chapters.

First, 'Main Actors and Responsibilities' describe the main actors dealing with STM in Korea(STM governance/ecosystem).

Secondly, 'Policies, Strategies and Regulatory Framework' present the policies and strategies that have been implemented by Korea on topics relevant for STM. It includes i)Legislation and Regulation relating to STM-related activity and general space policy or space policy relating to STM activity, ii)National space strategy, promoted through public government reports, white papers, or national institutional strategies in relation to space, iii)Further details on whether KARI, KASI, RRA or other institutions have presented particular strategies to address STM practices nationally or internationally.

Thirdly, 'Technical Capabilities' describe STM-related capabilities of Korean actors (KARI, KASI, RRA, CRMS, Mil sides, private firms). It includes i)Providing details on the technical capabilities available in Korea, ii)Explanation of assets and capabilities possessed by KARI, KASI, RRA and other relevant institutions, iii)Detailing the collaborations between industry and the government, or between industry partners, in data-sharing, spacecraft development, development of assets such as telescopes or projects that could benefit STM activities.

Fourthly, 'International Dimension' assess Korea's posture in international organisations and standardisation bodies in which STM-related matters are discussed, and identify the norms, rules and standards that are promoted.

Lastly, 'Assessment of STM approach in Korea' assess strengths and deficits of the STM approach in Korea (identify what is lacking among the elements required for STM, also by comparison between the status of Korea and advanced space development countries).