

Statement
By Mr. Sittiporn Channumsin,
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at the 57th Session of Scientific and Technical Subcommittee of COPUOS
on Agenda item 8; Space Debris, February 2020, Vienna, Austria

Madam Chair,

First of all, kindly allow me to congratulate you on your election and welcome the new members of the committees.

Mr. Chairman, I appreciate the opportunity to present the space debris research and development in Thailand to you today. As in previous years, space object tracking system called “Thai national Space Objects Observation: TNSO” had been developing by National Astronomical Research Institute of Thailand (NARIT). TNSO succeeded in tracking active regions of the earth and near-earth objects. TNSO can also provide the initial state of space objects to space traffic management system known as “ZIRCON” for the collision risk assessment and mitigation. Last year, Geo-Informatics and Space Technology Development Agency “GISTDA” had been developing ZIRCON, which is able to automatically screen the potential risk of the space objects in advance 7 days and provide analytical information to the operators. The system will be implemented at the end of this year to serve GISTDA’s satellites. And, both projects are determined to fully serve and support Thai satellites within the year 2021.

Furthermore, both research projects are one of the significant roadmaps of Earth-Space system Sciences of Thailand, which consist of nine space science areas. And, each area is identified in public outreach, capacity building, facilities and technical challenges. Moreover, the active debris removal technique and shielding protection of spacecraft researches are also contained in the roadmap and will start soon.

Mr. Chairman, in order to efficiently achieve in this goal, international cooperation and knowledge exchange on space debris research activities will be the indispensable key to fulfill gaps and effectively enhance/ expand our own capabilities. Hence, inevitably, Thailand is fully open and pleased to collaborate the research areas of measurements, modelling, protection and mitigation techniques with all member states for our safety in space.

Thank you Madam Chair and Distinguished delegates