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Intervention made by

the Delegation of the Republic of Indonesia

**on the Agenda Item 13 : General Exchange of Views on
Application of International Law to Small Satellite Activities**

**at the 60th Session of Legal Subcommittee of the United
Nations Committee on the Peaceful Uses of Outer Space**

Vienna, 31 May – 11 June 2021

Madam Chair,

Indonesia is the view that the small satellite activities is important for communication and remote sensing, however the activities must consider other aspect such as space debris mitigation. Indonesia is developing micro satellites as a part of a planned constellation of communication micro satellites which the first satellite targeted to be launched in 2024.

Indonesia developed the 4th indigenous Earth observation satellite, LAPAN-A4 to provide medium resolution images with 200 km swath to compliment Indonesian remote sensing database to monitor agriculture and environment. The satellite will also carry AIS to monitor global maritime traffic, and preform measurement of Earth magnetic field, to monitor space weather. Unfortunately, the satellite launch delayed from 2020 to 2022 because of pandemic condition.

Indonesia also has developed small-sat that certified ISO to comply with space debris mitigation guidelines;

- a. ISO 17770: 2017 (E), MOD concerning space systems - cube satellites (CubeSat).
- b. ISO 24113: 2011, Space system - Mitigation requirements space debris clauses 5.2, 6.1, 6.2, 6.3.1, 6.3.3, 6.3.4, and 7.
- c. ISO 14620-1: 2018, Space systems - Safety requirements - Part 1: Safety of system clauses 1.1, 4.1, 4.4, 4.5.2.7 - 4.5.2.12, 5.2.3, 5.2.4, 5.3.3, 5.3.6, 5.4, 6.2, 6.3, 6.4.4, and 7.3.5 - 7.3.7.

Madam Chair,

Since there are growing demand and planning for small satellite operations, Indonesia is of the view that there is a need of a new international regulatory approach to address operations of small satellites, including consideration of ways and means to ensure the rational and equitable use of the low Earth orbit and frequency spectrum.

Thank you.