

INTERVENTION OF THE INDONESIAN DELEGATION
Agenda 11: Space Weather

Madame Chair,

Space weather is an important issue in space activities. Outer space activities are not limited to space technology alone, but also extend to activities related to space-based technology.

To anticipate losses due to space weather, LAPAN remains committed to continue providing space weather information needed by users of space-based technology through Space Weather Information and Forecast Services (SWIFtS). SWIFtS has added one information feature for flights by providing the prediction of the frequency of HF radio communication. Other information which has been routinely given, namely solar activity, the earth's magnetic field, ionospheric conditions, and information for HF radio communication users, information for navigation, positioning correction, predictions of solar proton events and solar energetic particles, are still delivered with increasing accuracy.

As a provider of space weather information, the information provided should comply with international quality standards. In 2018, SWIFtS obtained an ISO 9001-2015 certificate for a quality management system that describes the ability to provide services consistently. This shows our commitment to provide information that is compliant with the standard

Besides having an impact on satellites, space weather also has a significant impact on the ionosphere layer. This layer has a very important role in communicating with radio waves. The success or failure of radio communication, besides being influenced by the equipment used, is also influenced by the stability of the ionosphere. In this case LAPAN provides supervision to institutions that still use radio communication in their operations. Among other things, AirNav Indonesia, Indonesian National Armed Forces, Indonesian National Police, local governments in remote areas, and the Directorate General of Customs and Excise. This supervision is aimed at increasing human resources who carry out radio communication in their institutions.

Henceforth, LAPAN will endeavor to conduct studies and research on the impact of the weather in the world of civil aviation. LAPAN will collaborate with National Nuclear Energy Agency (BATAN) to find out the possible radiation dose received by civil aircraft.

I thank you.