

Statement

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*Madam Chair,*

On behalf of Thai delegate, I would like to congratulate you on your election and welcome the new members of the committees.

*Madam Chair,* Thailand have wide ranges of GNSS and space weather researches such as cosmic ray impacting on the Earth, plasma bubble, geomagnetic monitoring and accuracy improvement of GNSS by cooperating with national agencies, institutes, universities and intergovernmental organizations such as NASA, ESA, APSCO and so on.

Recently, on 17 January 2020, the National Institute of Information and Communications Technology (NICT) collaborating with King Mongkut's Institute of Technology Ladkrabang (KMITL) kicked off the VHF radar operation installed at KMITL Chumphon campus in Thailand in order to observe the plasma bubbles that causes radio propagation disturbances. Chumphon is close to the magnetic equator where the plasma bubbles are expected to be generated. It is the most suitable area to observe and monitor plasma bubbles in initial generation stage. This radar is expected to be a major advancement in expanding the use of precise satellite-based navigation. This is big step for Thailand and national countries to understand and obtain the knowledge of the plasma bubbles.

In the near future, the space weather forecast service in Thailand will be established. As well as the new space weather equipment will be installed in Thailand with regarding the cooperation among Thailand and the international partnerships. All facilities will be benefit for the research and understanding the mechanism of space weather phenomena. In this occasion we would like to express our sincere appreciation to international agencies, institutes, universities and intergovernmental organization for your support and cooperation with us. Especially, NICT from Japan always support and encourage ASEAN countries in this research area.

*Thank you Madam Chair and Distinguished delegates*