

Agenda Item 10– “Recent developments in global navigation satellite systems”

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On behalf of the Japanese delegation, I am pleased to present recent developments in Japan regarding Global Navigation Satellite Systems (GNSS).

Japan has constructed the Quasi-Zenith Satellite System (QZSS), MICHIBIKI, which is composed of three IGSO and one GEO satellite. QZSS became fully operational on November 1, 2018.

The four-satellite constellation currently provides three types of services. The first is a GPS complementary service, transmitting ranging signals from satellites. QZSS ranging signals have the highest interoperability with GPS signals. Secondly, GNSS augmentation services can provide error corrections via QZSS. Finally, the third type of QZSS service supports disaster mitigation and relief operations through a messaging function.

With a future expansion in mind, Japan began the procurement process for three additional satellites. We expect the completion of a constellation of seven satellites to enable sustainable Position, Navigation and Timing (PNT) around 2023.

Japan continues to support international outreach activities on GNSS through QZSS. As a GNSS provider participating in the International Committee on GNSS (ICG), we promote interoperability and compatibility among global and regional systems.

Japan attended the fourteenth meeting of ICG and the twenty-third meeting of the Providers’ Forum in Bengaluru, India, from 8 to 13 December 2019. During the meeting, recent developments in each GNSS and its services and applications were shared.

Japan informed WG-B on the progress of the QZSS Emergency Warning Services and provided updates on the EWS correspondence group activities.

In addition, Japan has supported the Multi-GNSS Asia (MGA) conference since 2010 as an ICG-related activity in the Asia/Oceania region. The 11th MGA conference 2019 has held in Bangkok, Thailand co-organized with GISTDA.

I would like to conclude this statement by reiterating our commitment to contributing to the benefit of society by promoting GNSS and their applications.

Thank you for your attention.