

Agenda Item No. 09: Global Navigation Satellite Systems Mr. Chairman and Distinguished Delegates

Mr. Chairman and distinguished delegates

Positioning, Navigation and Time (PNT) through Global and Regional Navigation Satellite System has proven an integral component of the economy for socio-economic growth. The trend is increasing around the globe and Pakistan recognizes this trend. Therefore, Pakistan has been increasingly facilitating the satellite navigation users in the country.

Pakistan, is progressively utilizing the satellite navigation to meet the challenges in the fields of transport, food and agriculture, infrastructure development, disaster management & relief, public health, safety and welfare and various other GDP contributing socio-economic development related sectors. SUPARCO, is establishing the necessary infrastructure in the country for meeting the long term Positioning, Navigation and Time demands. Pakistan believes in following a premeditated and a coordinated approach in this technology domain.

Mr. Chairman

SUPARCO promotes the development of a complete eco-system that not only provides users with the GNSS infrastructure, but also the technology and end-to-end solutions support for using this infrastructure. SUPARCO is undertaking advanced research & development, producing GNSS equipment and software tools, developing related end-to-end solutions, supporting technology incubation and offering policy & regulatory support to cater for domestic environment and usage trends.

SUPARCO is also enabling the precise positioning through Ground Based Augmentation System (GBAS) utilizing Real-Time Kinematic (RTK) network technology. GBAS RTK network is fulfilling precise positioning requirements of civil sector including precise GIS & mapping, cadastre management, disaster & deformation monitoring, precision agriculture, precision mining etc. Furthermore, SUPARCO is continuously monitoring the integrity of GNSS Signals to support reliance on GNSS for critical applications. GNSS data is also archived to carryout ionospheric and tropospheric related scientific research.

SUPARCO is also assisting civil aviation sector through implementation of GNSS technology for safe, secure & efficient airport operations. Further, SUPARCO is enabling GNSS utilization within the country for maritime, oceanography, disaster management, transportation and logistics by concerned departments.

Thank you Mr. Chairman