

NavIC- Opportunities for The Telecom Industry

April 29, 2021

In News: National Telecommunications Institute for Policy Research, Innovation and Training (NTIPRIT), the apex training institute of Department of Telecommunications, Government of India conducted a webinar on April 28, 2021 on the topic “NavIC – Opportunities for the Telecom Industry” in collaboration with ISRO and Telecom Industry.

About NavIC

- NavIC (Navigation with Indian Constellation) is an autonomous regional satellite navigation system established and maintained by ISRO.
- NavIC is an indigenous positioning system that is under Indian control. There is no risk of the service being withdrawn or denied in a given situation.
- It covers India and a region extending up to 1,500 km beyond Indian mainland (primary coverage area).
- It provides position accuracy better than 20 m (20) and timing accuracy better than 50 ns (20).
- The actual measurements demonstrate accuracy better than 5 m and 20 ns respectively.
- NavIC based applications are being used in various civilian sectors, including, transport, map applications, and timekeeping.
- Today major mobile chipset manufacturers like Qualcomm, MediaTek and Broadcom already support NavIC across various chipset platforms.
- A few mobile phone OEMs have also released handsets which can be enabled to receive NavIC through Over the Air firmware .
- Some examples for NavIC enabled mobile phones include the Redmi Note 9 series from Xiaomi, the Realme 6

series, the OnePlus Nord, etc.

- NavIC is an indigenous positioning system that is under Indian control. There is no risk of the service being withdrawn or denied in a given situation.

About NTIPRIT

- National Telecommunications Institute for Policy Research Innovation and Training (NTIPRIT) is the apex training institute of the Department of Telecommunication.
- Involved in conduction of induction Training for probationary officers of Indian Telecommunication Service Group – A (ITS Group A) recruited through All India based Engineering Services Examination conducted by UPSC.
- Apart from Induction Training, NTIPRIT also conducts various In-Service Trainings, Management Development Programmes, Regional and International Trainings, Capacity Building workshops for Officers of Government of India in various aspects of Information and Communication Technology Administration in India.