

**No. 52-1/2019-Trg**  
**Government of India**  
**Department of Telecommunications**  
**211, Mahanagar Doorsanchar Bhawan, Old Minto Road, New Delhi-110002**  
**(Training & Capacity Building Division)**

**Dated: 26<sup>th</sup> April, 2021**

**OFFICE MEMORANDUM**

**Subject: "NavIC – Opportunities for the Telecom Industry" – Online Webinar by NTIPRIT, commencing on 28<sup>th</sup> April 2021.**

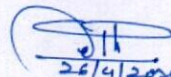
National Telecommunications Institute for Policy Research, Innovation & Training (NTIPRIT), Ghaziabad is organizing a One-day webinar on "NavIC – Opportunities for the Telecom Industry" on 28<sup>th</sup> April 2021. Further details of the program are as under: -

<b>Topic</b>	NavIC – Opportunities for the Telecom Industry
<b>Duration / Dates</b>	28 <sup>th</sup> April, 2021 (from 10:00 Hrs to 12:45 Hrs)
<b>Location</b>	Online by NTIPRIT
<b>Registration Link</b>	<a href="https://forms.office.com/r/9g81CX43qT">https://forms.office.com/r/9g81CX43qT</a>

2. NavIC (Navigation with Indian Constellation) is an autonomous regional satellite navigation system that provides accurate real-time positioning and timing services. Many telecom industry players (including chipset manufacturers) had announced to use 'Made in India' NavIC technology in future Android smartphones. The applications of NavIC have the potential to bring immense benefits to everyone in the country with support of Telecom industry.

3. The Webinar will be inaugurated by Secretary (Telecom), and technical session will be taken by experts from industries, ISRO, and from GSI.

4. Considering the importance of the NavIC in telecom industry, all the officers of DoT are requested to actively join the webinar as per schedule on <https://forms.office.com/r/9g81CX43qT>.

  
26/4/2021  
(Prakash Dangi)  
ADG (Training), DoT HQ



## WEBINAR on “NavIC – Opportunities for the Telecom Industry”

### Agenda

#### Session 1: Inaugural Session

1000-1003: Welcome Address	Sh. U.K. Srivastava, Sr. DDG & Head NTIPRIT
1003-1006: Keynote Address	Sh. Bharat Kumar Jog, Member (S), DoT
1006-1010: Special Address	Sh. R Umamaheswaran, Scientific Secretary, ISRO
1010-1015: Inaugural Address	Sh. Anshu Prakash, Secretary (Telecom), DoT

#### Session 2: Technical Session

1015-1040: NavIC overview, updates and applications	Dr. Manish Saxena, ISRO-HQ
1040-1105: NavIC in mobile chipsets	Mr. Sachin Kalantri, Qualcomm India
1105-1120: NavIC in mobile chipsets	Mr. Akshay Aggarwal, Mediatek
1120-1135: NavIC in mobile handsets	Mr. Akhil P, Xiaomi India
1135-1150: Location based applications in ISRO's geoportals	Ms. Vijaya Bhanu, ISRO-HQ
1150-1205: NavIC in 3GPP and TSDSI	Mr. Vinay Shrivastava, Reliance Jio
1205-1220: NavIC in industry standards	Mr. Sajith P, ISRO-HQ
1220-1230: Geospatial Database	Mr. Diptansu Sengupta, GSI

#### Session 3: Q & A and Closing Session

1230-1240: Questions & Answers	
1240-1245: Vote of Thanks	Sh. Chaganti Srinivas, DDG (ICT), NTIPRIT

**Date: 28<sup>th</sup> April, 2021**

**Time: 10:00 Hrs to 12:45 Hrs**

**Platform: Microsoft Teams**

SCAN the QR Code

or

Visit: <https://forms.office.com/r/9g81CX43qT>



Once you register, joining link will be shared on the screen which you can use to join or save it to join on the day of webinar.  
We will also email you the joining link on the provided email on day of webinar.



**Anshu Prakash**

Shri Anshu Prakash, Secretary (Telecom) is a 1986 batch Indian Administrative Service (IAS) officer of Arunachal Pradesh- Goa-Mizoram-Union Territories (AGMUT) cadre. He has served in various key positions for both the Government of India and the governments of his cadre, such as Chief Secretary of Delhi, Principal Secretary (Health and Family Welfare), additional commissioner in the now- trifurcated Municipal Corporation of Delhi to name a few.



**R. Umamaheswaran**

Shri R. Umamaheswaran, Scientific Secretary, ISRO has made significant contribution to the system integration, checkout and avionics of ISRO's launch vehicles viz. PSLV, GSLV & GSLV-MkIII. He has been the Chief Designer (Integration) of major sub- assemblies including Equipment Bay of the Launch vehicle. Many of the mission critical circuits residing in the vehicle including the entire pyro chain for all the three launch vehicles has been designed by him.



**B.K. Jog**

Shri Bharat Kumar Jog, an Indian Telecommunications Service (ITS) officer of 1982 batch is Member (Services), Digital Communications Commission. His experience in the field of telecommunications includes Planning and Development, Operation and maintenance, material management and quality assurance.



**U.K. Srivastava**

Shri U. K. Srivastava, is an officer of Indian Telecom Service of the Govt. of India and presently serving as Head of NTIPRIT, DoT Government of India. He has over 35 years of rich experience in the field of Telecommunications and has led various units of DoT, Govt of India and Telecom Regulator in India, TRAI. He had also worked in ITU at Iraq and its HQ at Geneva



**C. Srinivas**

Sh. Chaganti Srinivas is an officer of Indian Telecommunications Service (ITS) of Department of Telecommunications (DoT). He is presently posted as DDG (ICT) at National Telecommunication Institute for Policy Research Innovation and Training (NTIPRIT). He has vast experience of over 33 years in the field of Telecommunications in various capacities.



**Dr. Manish Saxena**

Dr. Manish Saxena is working in Indian Space Research Organization since 1999. Currently he is the Associate Director (Industry Interface) of Satellite Navigation Programme Office at ISRO Headquarters, Bengaluru. In this capacity, he is working closely with the industry and research community for ensuring the adoption of NavIC technologies and solutions in India.



**Sachin Kalantri**

Sachin Kalantri is Senior Director, Product Marketing, Qualcomm India and SAARC. He has been with Qualcomm for more than 21 years and has worked extensively on wireless products and technologies such as Snapdragon chipsets, 3G/4G technologies, Mobile Broadcast, BREWChat™, QChat™, etc. Currently, He leads the Qualcomm Technologies product marketing/management activities in Qualcomm India and is responsible for enabling solutions that serve Indian markets.



**Akshay Aggarwal**

Mr. Akshay Aggarwal is the Director of Technology for MediaTek and is based out of Bangalore. In this role, he is responsible for working on next generation product development with key focus on modem technology. His current focus area is 5G NR. With over 20 years of semiconductor industry experience in Design engineering, business development and product marketing, he has worked extensively with global R&D teams and several Tier-1/2 customers worldwide.



**Akhil P**

Akhil leads the team that drives testing and implementation of NAVIC in mobile handsets at Xiaomi (India). He is a Mobile handset field test specialist by profession and has rich experience in evaluating compliance with carrier specifications of major cellular network operators across the globe. His expertise in mobile handset testing spans from conducting modem field tests to analysing protocol issues from NR/LTE/Legacy radio access networks.



**Ms. A. Vijaya Bhanu**

Ms. A. Vijaya Bhanu is working As Deputy Director, Information Systems at ISRO Head Quarters, her focus is on Reaching Out & building Collaborative geospatial solutions leveraging Earth Observation Datasets, Indian Regional Navigation Satellite System (NavIC), Indian Geoportals like Bhuvan. Her Area of Interest include Distributed Computing, Deep Learning & Geoportal Design & Development.



**Vinay Shrivastava**

Mr. Vinay Shrivastava is Dy General Manager (Telecom Standards) at Reliance Jio Infocom Ltd. In the span of 17 years career at the telecom industry, he has been a key contributor to Physical layer algorithm development and implementation for multiple generations of wireless and wireline technologies at MNCs including Nokia, Broadcom, & Intel. He led the standardization work for NavIC A-GNSS at 3GPP & TSDSI respectively. He is the proponent of several ongoing studies of national interest at TSDSI including "Study of 6G Use cases, Requirements, and Technologies" & "Spectrum sharing & coexistence study for IMT in 6 GHz band".



**Sajith P**

He completed B-Tech in Electronics and Communication from College of Engineering Adoor, Kerala in 2000, completed M-Tech from Cochin University of Science and Technology in 2003 and joined ISRO in 2003 at Communications Systems Group, U R Rao Satellite Centre (URSC). He is currently working as Deputy Director for Space and Ground Systems, Satellite Navigation Program Office at ISRO Head Quarters, Bangalore.



**Diptansu Sengupta**

Sh. Diptanshu Sengupta, is Senior Geologist, GSI, CHQ. He completed Master's Degree with Geology Hons. from Presidency College, Kolkata, on 2007. Joined Indian Statistical Institute, Kolkata, as Junior Research Fellow to work on Structural Pattern of Main Central Thrust in North-Eastern Himalaya, on 2008. He joined Geological Survey of India on 2011 in Spatial Thematic Mapping project in Sawai Madhopur District, Rajasthan. Joined Map & Cartography Division, GSI, Kolkata, on 2015, to compile and upload Geoscientific Geospatial Data in BHUKOSH, OCBIS portal. Currently working on compilation of mineral exploration related Geospatial Data for ongoing National Geoscience Data Repository (NGDR) project.

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