Webinar
on
Amended BharatNet Programme
"GPs and Villages Level Architecture - Improvements Planned and Challenges"

31st December 2025, Wednesday (11:00 - 13:00 Hrs.)

Webinar Objective

The webinar on **"Amended BharatNet Programme: GPs and Villages Level Architecture - Improvements Planned and Challenges"** aims to explain the amended BharatNet framework by outlining the revised GP connectivity architecture, key survey findings, and MPLS-based active equipment model at Gram Panchayats. It will also present practical approaches for extending broadband to villages beyond GPs, highlight monitoring mechanisms and how these enhancements strengthen rural connectivity.

Sh. Rajeev Narang, PGM (ABN-I), BSNL CO, New Delhi, as the esteemed speaker, will share deep insights into the design architecture and monitoring of Amended BharatNet Programme. The **target audience** of the webinar are the officers from LSAs, DoT, TSPs, ISPs, Industry forums, Academia and other stakeholders.

Inaugural Session (11:00 - 11:15 Hrs.)

Welcome Address	**Sh. Amit Kumar Chauhan**	Director (Tx & NGS), NCA-T, Ghaziabad
Keynote Address	**Sh. Rajesh Gupta**	DDG (Tx & NGS / WA), NCA-T, Ghaziabad
Inaugural Address	**Sh. A. Robert Jerard Ravi**	Chairman and Managing Director, BSNL
Vote of Thanks	**Sh. Amit Kumar Chauhan**	Director (Tx & NGS), NCA-T, Ghaziabad

Technical Sessions (11:15 - 13:00 Hrs.)

S. No.	Time (Hrs.)	Name of the Topic	Expert Speaker
1.	11:15 - 12:00	Amended BharatNet Programme - Its Design Architecture and learning from Phase I & II (a) GP Connectivity Architecture & MPLS ring up to GPs (b) Extending Connectivity to villages beyond GPs	**Sh. Rajeev Narang** PGM (ABN-I), BSNL CO, New Delhi
2.	12:00 - 12:45	Amended BharatNet Programme - Monitoring the project using Dash-Board and Monitoring System	**Sh. Rajeev Narang** PGM (ABN-I), BSNL CO, New Delhi
3.	12:45 - 12:55	Question & Answer Session	
4.	12:55 - 13:00	Vote of Thanks	**Sh. Ravi Kumar** AD (Tx & NGS), NCA-T, Ghaziabad

Dignitary of Inaugural Session

Sh. A. Robert Jerard Ravi
CMD, BSNL

Online Platform & Registration

Date & Time:	**31st** December 2025, Wednesday [11:00 -13:00 Hrs.]
Online Platform:	MicrosoftTeams
Link & QR Code to join the Webinar:	https://tinyurl.com/Amended-Bharat-Net-31st-Dec

Expert Speaker

- **Sh. Rajeev Narang** is an ITS officer of 1991 batch. Presently, he is serving as Principal General Manager (ABN-I) at BSNL Corporate Office, New Delhi.
- He is having a rich and varied experience of more than 30 years in Indian Telecom and Digital Infrastructure.
- He was involved in National-level Telecom and Broadband initiatives.
- He is known for his excellency in managing teams, coordinating with stakeholders, and ensuring service delivery. He has worked with government and industry partners for implementation of telecom and broadband projects.

Sh. Rajeev Narang
PGM (ABN-I), BSNL CO

- At BSNL, he has worked in field operations and contributed to the launch and expansion of Mobile Services. He managed the North Zone Mobile Data Centre at Chandigarh, with responsibility for Intelligent Network (IN), Billing Systems, SMS Platforms, and Value-Added Services (VAS).
- At BBNL, he has worked in BharatNet Project Management, handling deployments in Haryana. For the past 1.5 years, he has played a lead role in the implementation of the Amended BharatNet Programme at the National level.
- His skill areas include -Project Management, IT Systems, Data Centres, System Integration, Telecom Billing, Mobile & Broadband Services.
- He is B.Tech. in Computer Science from Govind Ballabh Pant University of Agriculture & Technology, Pant Nagar, Uttarakhand.

Organizing Team
Tx & NGS Division, NCA-T, Ghaziabad

Rajesh Gupta
DDG (Tx & NGS / WA)

Amit Kumar Chauhan
Director (Tx & NGS)

Ravi Kumar
AD (Tx & NGS)

Amended BharatNet Programme :: A Webinar Series by NCA-T, Ghaziabad

- **In August 2023**, Government of India approved the **Amended BharatNet Program (ABP)**. The program provides for internet access by Optical Fibre (OF) connectivity to 2.64 lakh GPs in ring topology and also to provide OF connectivity to the remaining non-GP villages (approx. 3.8 lakhs) on demand basis. The design improvement, at a cost of Rs. 1,39,579 crores, in ABP aims at Optical fiber connectivity from Block to GP in Ring topology, IP- MPLS network with Routers at Blocks and GPs, Provision of OF connectivity to non-GP villages on demand basis, Provision for Operation and maintenance for 10 years, including monitoring of network uptime through Centralized Network Operating Centre (CNOC) and payment to Project Implementation Agency (PIA) as per Service Level Agreement (SLA), Provision of Power backup of adequate level at GPs and Blocks, Provision of Remote Fibre Monitoring System (RFMS) at Block for fibre monitoring.
- **NCA-T, Ghaziabad** aims to conduct a webinar series of following 04 webinars on **"Amended BharatNet Programme"**:

1. Amended BharatNet Programme: GPs and Villages Level Architecture - Improvements Planned and Challenges
2. Amended BharatNet Programme : Last Mile access through FTTH
3. Amended BharatNet Programme: New Features and Technologies implemented/ planned in NOC
4. Amended BharatNet Programme: Area-wise Plan and Technologies for remote areas through alternate technologies (a) LI-FI (b) Fixed Satellite Services (c) Microwave and (d) FSOC

- **The webinar series** aims to disseminate insights on implementation strategies, operational challenges, and technology adoption for effective broadband rollout. Special emphasis will be placed on area-specific planning and alternate connectivity solutions for remote and difficult terrains to ensure inclusive digital connectivity.

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