

July 2023

TECHNOLOGY INSIGHT

Harnessing AI and Big Data

Streamlining Telecom Equipment Redeployment DoT eases transfer between
service area



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Harnessing AI and Big Data

The Telecom Regulatory Authority of India recently released a set of comprehensive recommendations titled "Leveraging Artificial Intelligence and Big Data in Telecommunication Sector". These recommendations aim to guide the responsible development and application of AI and big data within the telecom sector, paving the way for significant innovation and improved performance.

Central to the AI and Big Data Recommendations is the call for a sector-wide framework for responsible AI development. This framework would emphasize ethical considerations, transparency, and accountability throughout the AI lifecycle. To oversee and enforce responsible AI practices, TRAI proposes the establishment of an independent statutory authority called the Artificial Intelligence and Data Authority of India (AIDAI). This dedicated body would assess data digitization requirements, define AI process frameworks, and establish an ethical data use framework.

Recognizing the global nature of AI, the recommendations also stress the importance of international collaboration. TRAI advocates for the creation of a global agency as the primary international body for AI development, standardization, and responsible use. This collaborative approach would promote the efficient and ethical development of AI technologies, benefiting not just India's telecom sector but the global community as a whole.

Data sharing is another key area addressed in the recommendations. TRAI proposes a uniform

framework for sharing data available with the government with industry, educational institutes, and startups.

This framework would ensure compliance with privacy laws and regulations while fostering innovation and research activities.

Finally, the recommendations encourage telecom service providers to embrace AI and big data in their operations. This includes deploying AI/machine learning and new technologies for real-time data analysis, network security enhancement, efficient customer service delivery, and effective spam control.

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In a major move to boost ease of doing business in the telecom sector, the Department of Telecommunications (DoT) on July 26, 2023, issued an office memorandum simplifying the process for shifting wireless equipment within Licensed Service Areas (LSAs). This initiative addresses a key industry need and streamlines operations for Telecom Service Providers (TSPs).

Under the new guidelines, TSPs now have greater autonomy and flexibility when it comes to redeploying wireless equipment. They can shift equipment between LSAs based on their own requirements, with just a prior intimation to the DoT's Wireless Planning and Coordination (WPC) wing. Gone are the days of waiting for formal approvals – a significant time-saver for TSPs.



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