

RIVO MULTITRADE OPTICAL SYSTEMS

West Africa Destroys Outdoor Distribution Boxes



Overview

West Africa Security Tracker – May 2025 | Conflict Data, Analysis. Explore the May 2025 edition of the West Africa Security Tracker by CDD-West Africa. F.

Key Takeaways

West Africa has experienced widespread destruction of power and data distribution infrastructure, including transmission towers and subsea cables, severely impacting electricity and internet services. Power Infrastructure Vandalism

In Nigeria, 178 transmission towers were destroyed in the first half of 2025, exacerbating power outages across multiple states such as Bayelsa, Rivers, Abia, and Kano. These attacks, driven by economic hardship, political sabotage, and criminality, have caused enormous repair costs and hindered efforts to expand the national grid. Natural disasters, including severe windstorms, have also contributed to the collapse of towers along critical lines like Kainji-Birnin Kebbi and Apir-Lafia-Jos. The Transmission Company of Nigeria (TCN) has partnered with the National Security Adviser's office to deploy monitoring technology to protect vulnerable lines and deter future vandalism .

Data and Telecommunications Disruptions



West Africa's digital infrastructure has also been affected. In March 2024, damage to key subsea cables—including the Africa Coast to Europe (ACE), MainOne, and the West Africa Cable System (WACS)—caused a major internet outage across countries such as Ivory Coast, Ghana, Nigeria, and Liberia. This disruption impacted not only individual users but also critical sectors like finance, telecommunications, and government operations. The incident highlighted the region's dependency on a limited number of cables and the urgent need for terrestrial fiber networks, satellite communications, and wireless broadband to build a more resilient digital infrastructure .

Broader Implications

The destruction of outdoor distribution boxes, whether for electricity or data, has far-reaching economic and social consequences. Power outages reduce industrial productivity, disrupt daily life, and increase operational costs for businesses. Internet blackouts hinder financial transactions, government services, and communication networks. These events underscore the vulnerability of West Africa's infrastructure and the importance of investment in maintenance, security, and diversification of distribution systems .

Mitigation Strategies

To address these challenges, West African countries are exploring:

- Enhanced security measures for transmission towers and distribution boxes, including surveillance and rapid response teams.
- Public-private partnerships to fund infrastructure maintenance and expansion.
- Diversification of connectivity, such as expanding terrestrial fiber networks and satellite-based internet services.
- Community engagement and awareness campaigns to reduce vandalism motivated by economic or political factors . These measures aim to improve resilience, reduce service disruptions, and ensure that electricity and data services can reliably reach consumers across the region.

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