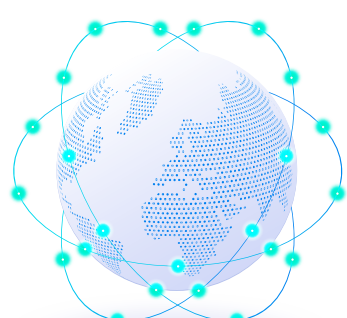# Strategies for
5G Deployment

100x
More Network Capacity

100x
Faster than 4G

10x
Reduction in Latency

Enabling Interoperability in Military Operations

- 5G is the communication backbone for CJADC2 (Combined Joint All Domain Command and Control).
- Military operations require resilient communication frameworks with international partners.

Shift in Government Policy

DOD's 5G implementation strategy

1. Improving commercial broadband access on military bases.
2. Extending coverage to bases and tactical areas.
3. Ensuring cybersecurity through zero trust principles and acquiring technologies from trusted vendors for enhanced security and reliability.

Cybersecurity Practices in Industry and Civilian Agencies

Government policies are emphasizing zero-trust architecture and trusted suppliers, mandating comprehensive evaluations and supply chain scrutiny for bids and requisitions. Across federal acquisition, agencies are implementing cybersecurity measures to ensure that all processes prioritize trusted supply chains.

Juan Ramírez
Director, 5G Cross Functional Team, DOD

Future of 5G

The future of 5G promises higher speeds, lower latency and broader applications across sectors. Industry and government are exploring satellite-driven connectivity for enhanced resilience. Principles and industry roadmaps are guiding 6G development, with NTIA gathering public input to shape policy.

> **In the United States alone, 5G is predicted to add up to 3 million new jobs and create $500 billion in economic growth.**

Jaisha Wray
Associate Administrator for International Affairs, NTIA

Open Radio Access Networks (Open RAN)

OPPORTUNITIES:

Industry Momentum and Adoption:

- Increased adoption of Open RAN among telecom operators.
- Successful launch of nationwide Open RAN networks demonstrates feasibility and scalability.

Government Support and Investment:

- Significant investment through initiatives like the Public Wireless Supply Chain Innovation Fund ($1.5 billion).
- Stimulus for innovation, competition and supply chain resilience in the wireless industry.
- Opportunities for new companies in the U.S. and allied nations to enter the market.

CHALLENGES:

Standardization and Interoperability:

- Need for robust standards to ensure global interoperability and scalability of Open RAN systems.

Regulatory Considerations:

- Governments' role in fostering telecom supplier diversity and supporting Open RAN adoption.
- Development of policies that balance innovation with security and operational requirements.

Integrating 5G with National, Military and International Infrastructures

T-Mobile is committed to expanding 5G connectivity in rural America, aiming to enhance remote work capabilities and access to modern services. They are customizing solutions to meet the needs of clients, including government and enterprise sectors. Interagency coordination within the DOD facilitates the integration of Open RAN technologies and shared insights across military branches. Collaboration with the Defense Innovation Unit industry partners, and government agencies such as the Department of Commerce and Department of State drives forward 5G initiatives.

David M. Bezzant
Vice President, T-Mobile for Government

Watch for More Insights