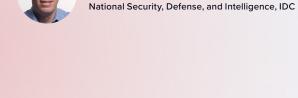


Building Reliable Military Communications Systems Improving the Decision Making

and Coordination of Combined Forces in Information Warfare



Alan Webber

Program Vice President,



Alison Brooks, Ph.D.

Research Vice President,

in the Middle of a Connectivity **Transformation** Connectivity Is the Core of the Combined Joint All Domain Command and Control Systems and Information Warfare

Defense Organizations Are

Adversaries are growing more advanced, and threats are continually changing. Defense organizations recognize that clear communication is critical

supports strategic deterrence.

At the heart of effective communications is a strong,

to keeping up with a changing battlespace.

resilient command and control network that

DEFENSE ORGANIZATIONS' CURRENT STRATEGY AND

APPROACH TO CONNECTIVITY:

43%

strategy

Well-established

Mid-stage on

transformation

n = 751; Source: IDC 2024 Worldwide Future Enterprise Connectivity Survey, August 2024

39%

Defined and

Early stages of

transformation

centralized

strategy

Current Initiatives

13%

Advanced

World-class,

leading-edge

and connectivity

strategy

network

Mission Outcomes Drive

4%

siloed

Decentralized

Connectivity

requirements

strategy across departments

Current Efforts Impact Efficiency and Productivity

Over the past 12 months, defense organizations were focused on

NEW AND ONGOING CONNECTIVITY INITIATIVES:

50% Increased operational efficiency Improved employee productivity

19% Improved business agility

14%

n = 751: Source: IDC 2024 Worldwide Future Enterprise Connectivity Survey. August 2024

Agility Is the Primary **Expected Benefit** Defense Organizations Must Be Flexible and Agile, with Networks and Communication Technologies that Reflect This Need

35% Increased agree changing demands

Increased agility to react to

Improved worker productivity

improved network resiliency

virtualized, scalable, and agile

Incorporating new/emerging

access/networking technologies*

cloud connectivity requirements

Aligning network infrastructure with

Managing and optimizing hybrid networks

Procurement and life-cycle management of

IT and networking technologies

Faster innovation

35% and collaboration Ability to connect more devices 27% to the network Reduction in network downtime/ 26%

n = 751; Source: IDC 2024 Worldwide Future Enterprise Connectivity Survey, August 2024

Transformation

from implementing organization's connectivity strategy:

TOP BENEFITS EXPECTED

Comes with Challenges **Maintaining Strategic Parity Through Technology** Requires Overcoming Technological, Organizational, and Staffing Issues From a networking perspective, TOP CONNECTIVITY-RELATED CHALLENGES: Transforming networks to be more

38%

32%

31%

29%

From an organizational and operational perspective,

TOP CONNECTIVITY-RELATED CHALLENGES:

n = 751; Source: IDC 2024 Worldwide Future Enterprise Connectivity Survey, August 2024

*5G, WiFi 6, SD-WAN, private LTE/5G, and cloud

45% Lack of IT staff and/or loss of staffing **35**% Advancing IT/OT convergence strategy Aligning technology choices with 31% business requirements Facilitating technology upgrades and/ 28% or new application deployments

25%

n = 751; Source: IDC 2024 Worldwide Future Enterprise Connectivity Survey, August 2024

Driving Operational Superiority Through Technology Technology is Critical to Bolstering Future Defense Forces, **Including the Military Force and Civilian Workforce**

that Supports Them

Developing a zero trust cybersecurity strategy 30% across the enterprise IT/networking footprint

28%

TOP STRATEGIC CONNECTIVITY PRIORITIES

organizations will make to improve outcomes over the next 12 months:

using IoT solutions

Investing in employee productivity and collaboration (e.g., UCaaS)

Investing in operational visibility

Adopting a connectivity resiliency

strategy with redundant networks

Prioritizing 5G devices and applications

across the enterprise n = 751; Source: IDC 2024 Worldwide Future Enterprise Connectivity Survey, August 2024 Produced by: **⊜IDC** Custom Solutions ©2025 IDC. Reproduction is forbidden unless authorized. All rights reserved. CCPA

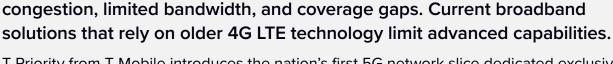
IDC.com

in @idc

@idc

T-MOBILE FOR GOVERNMENT

Message from the Sponsor



Learn More at T-Priority.com

T-Priority from T-Mobile introduces the nation's first 5G network slice dedicated exclusively to public safety, offering unprecedented priority access on the nation's most advanced

First responders face many communication challenges, including network

5G network. With faster 5G speeds and 40% more 5G capacity, T-Priority empowers first responders with advanced tools like drones, real-time video streaming, and IoT sensor integration — dramatically enhancing situational awareness when it matters most.