

# DOD365 INTEGRATED PHONE SYSTEM (DIPS)

## Features and Capabilities

The solution initially provided a capability for Teams meeting attendees to participate in a meeting with the Public Switched Telephone Network (PSTN) via land lines or cell phones. The service has now been expanded to allow in and outbound calling from the Teams Dial Pad. Tyto Athene is the material solution provider for Prime contractor Lumen in the DISA DIPS program.



### Scalable Platform

Supports up to 360,000 concurrent call licenses (CCLs) across four sites or 270,000 CCLs in an N+1 configuration with a failed site, ensuring communication for all Mission Partners.



### Co-located Cloud Hosting

Low-latency, high-bandwidth telephony via the VCAP, ensuring fast, reliable voice connections.



### High Availability & Geo-DR

Full redundancy with automatic failover using two peered SBC chassis per site.



### End-to-End TLS Encryption

Secure communications with DoD-issued certificates.



### Redundant Trunks & Fully Meshed Configurations

Low-latency, high-bandwidth telephony via the VCAP, ensuring fast, reliable voice connections.

## Capability Overview

Tyto Athene's DIPS (Defense Information Systems Agency - DoD365 Integrated Phone System) solution offers a robust, secure, and scalable telephony solution, seamlessly integrating with the Department of Defense's Microsoft DoD365 environment.

As the leading voice provider for the DoD, Tyto Athene's solution enables warfighters, defense personnel, and their mission partners to make direct voice calls to any global number directly from Microsoft Teams, streamlining communication processes across the globe. The system also supports Direct Inward Dialing (DID), allowing users to receive external calls effortlessly, with this capability active today.

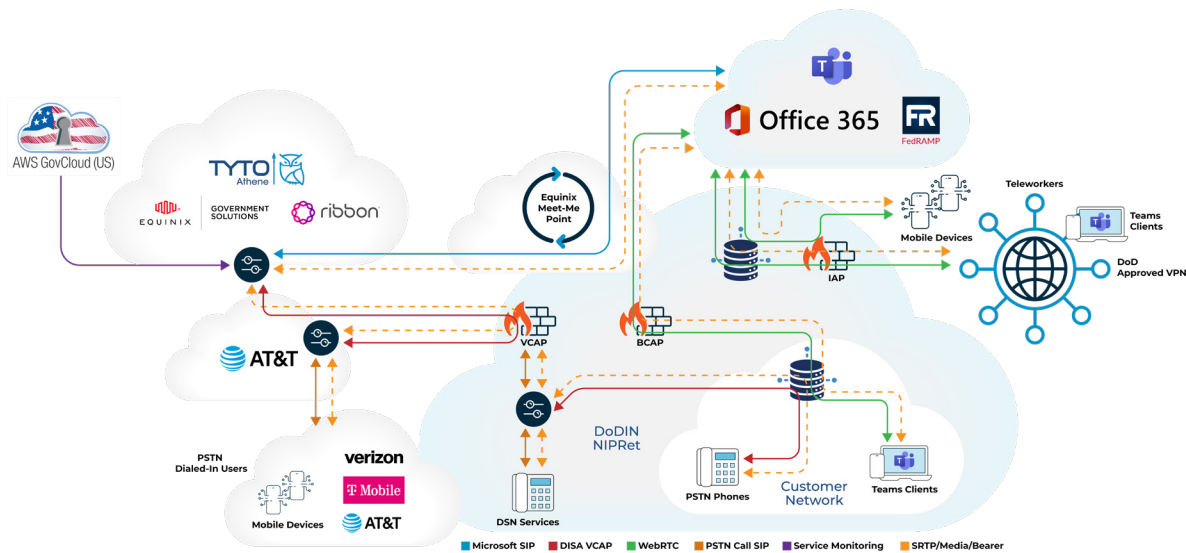


Figure 1. Tyto Athene's DIPS Voice Modernization Solution

## Key Features Include:

These innovations enhance communication, strengthen C4ISR capabilities, and bolster cybersecurity, improving mission readiness for warfighters. Seamlessly integrated with Microsoft Teams, the DIPS solution modernizes the DoD's communication infrastructure, enabling calls, meetings, and operational continuity from any location. By creating a more mobile, agile workforce, reducing the telephony footprint, and leveraging cloud-based telephony, DIPS supports significant cost savings. Ultimately, it ensures global connectivity, enhanced security, and a scalable infrastructure that drives operational efficiency and mission success.

## Key Capabilities:

- **Seamless Integration with DoD365:** DIPS integrates directly into the DoD's Microsoft DoD365 environment, leveraging **Microsoft Teams** to allow users to make and receive calls, join meetings, and ensure operational continuity from anywhere.
- **Cloud-Based Telephony:** By replacing outdated legacy phone systems, DIPS modernizes the DoD's communication infrastructure, offering scalability and flexibility to support remote and distributed teams.
- **PIDF-LO Support:** The platform supports the transmission of **PIDF-LO** (Presence Information Data Format Location Object) from Microsoft Teams' **E911** solution, enabling optimized location-based data transmission for emergency call responses. Currently in the implementation phase.
- **Cybersecurity:** DIPS is secured both externally and internally by Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (**C4ISR**) Cybersecurity Service Provider (**CSSP**) as well as continuous monitoring by Tyto Security Operations Center team members this ensures protection from emerging cyber threats. DIPS utilizes DoD-grade encryption and security protocols providing a secure and reliable communication network for real-time, secure collaboration.

## Benefits

Tyto Athene's DIPS provides an advanced, scalable solution that enhances the Department of Defense's communication capabilities through seamless integration with the Microsoft DoD365 environment. The system leverages cloud-based telephony for distributed teams, while critical features like E911 and PIDF-LO improve situational awareness and emergency response. It ensures secure, real-time data sharing with robust cybersecurity protocols through C4ISR and Tyto Security Operations Center monitoring, safeguarding against evolving threats. DIPS offers a future-proof, mission-ready infrastructure designed to enhance operational efficiency and security for the DoD.

## Strategic Benefits

- **Enhanced Mission Readiness:** DIPS enables real-time communication across globally dispersed teams of DOD, mission partners, and external entities, enhancing collaboration, logistics, and decision-making in any environment, including remote regions.
- **Soft-Switch Backbone Migration:** Tyto Athene is deploying the Core Session Policy Router, providing a secure global SIP backbone for reliable DoD communications.
- **Cyber Resilience:** Robust cybersecurity protocols safeguard mission-critical communications, ensuring DoD standards compliance.
- **Scalability:** DIPS supports future integrations, including 5G and IoT, ensuring infrastructure evolves with technological demands.
- **Emergency Response:** PIDF-LO and 9-1-1 calling support via DoD365 enhance emergency response accelerating TDM divestiture.
- **Strengthened Cybersecurity:** Army C4ISR cloud and Tyto Security Operations Center monitoring ensure secure military coordination and decision-making.

## Meeting the Challenge

Tyto Athene's DIPS provides the Department of Defense with a next-gen communications platform that enhances mission readiness and operational continuity. By enabling real-time communication across globally dispersed forces, DIPS ensures seamless operations, leveraging cloud-based telephony to optimize resources and reduce infrastructure costs. With robust cybersecurity, it integrates emerging technologies like 5G and IoT, adapting to evolving DoD needs. The inclusion of PIDF-LO enhances emergency response by delivering precise location data, improving operational efficiency in mission-critical environments.

### Business Challenges Addressed by DIPS

- **Legacy Telephony Systems:** DIPS replaces outdated systems with scalable, cloud-based solutions, reducing reliance on costly infrastructure.
- **Fragmented Communication Tools:** Unifies voice, video, and messaging platforms within Microsoft DoD365, enhancing collaboration across the DoD.
- **Maintenance Costs & Scalability:** Centralized cloud system lowers maintenance costs and supports seamless expansion for any scale.
- **Security & Compliance:** Meets DISA cybersecurity standards for classified and unclassified networks, communication protocols, and real-time monitoring.
- **Remote Operations:** Enables secure communication for mobile and field users.
- **Integration & Reliability:** Integrates with Microsoft tools, ensuring real-time collaboration and reliable uptime with cloud redundancy.

Tyto Athene's DIPS modernizes the Department of Defense's communication infrastructure, enhancing security, scalability, and reliability while reducing operational costs. By integrating with the Microsoft DoD365 platform, DIPS unifies voice, video, and messaging, supporting mission-critical functions and preparing the DoD for future technological advancements. As the material solution provider for Prime contractor Lumen in the DISA DIPS program, Tyto Athene ensures seamless collaboration across global operations, empowering the DoD to maintain a strategic advantage in today's defense landscape.

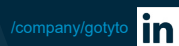


## About Tyto Athene

Tyto Athene, LLC, a large portfolio company of Arlington Capital Partners, was established as an IT services and solutions providers specializing in mission-focused digital transformation. Our goal is to enhance client experience and drive successful outcomes through innovative technology solutions.

As a full-service systems integrator, Tyto Athene empowers clients with the ability to make informed, timely decisions by providing secure and ubiquitous access to enterprise information across their operating environments. We leverage cutting-edge technologies, strategic innovation, and proven methodologies to deliver successful results for clients worldwide. With a full spectrum of industry-leading capabilities, substantial scale, and extensive resources, we are equipped to meet the increasingly complex demands U.S. government agencies. Supporting the rapidly evolving mission requirements of federal clients remains our top priority.

Our combination of experience and forward-thinking technology solutions gives Tyto Athene customers a distinct strategic advantage. Our primary objective is to deliver the best solutions and services available in the market to our trusted partners and clients. Tyto Athene remains committed to providing our high-quality products, superior service, and world-class technical support.



For more information about our digital transformation services,  
please email [bd@gotyto.com](mailto:bd@gotyto.com)