

Cisco TelePresence over Satellite Networks

Challenge

Communication with remote, isolated locations has always been difficult. Whether you are trying to communicate with a deployed military unit, an energy exploration site, or a classroom in a distant country, traditional means of communications have either been slow or garbled at best. The results have been slow responses, operational confusion, and in some extreme tactical cases, peoples' lives needlessly placed at risk. The Cisco TelePresence® over Satellite Networks solution brings the power and innovation of the Cisco TelePresence meeting application to some of the most challenging communications environments in the world.

Ideal for government, military, and some enterprise customers with very remote, isolated locations, the Cisco TelePresence over Satellite Networks solution brings the TelePresence video and audio experience to tactical and operational environments where terrestrial bandwidth connections are not possible.

Cisco TelePresence over Satellite Networks Solution

The Cisco TelePresence over Satellite Networks solution extends the reach of TelePresence to remote, tactical locations where terrestrial bandwidth is not available. This solution enables government and military customers to exercise command, control, and communications between field commands and headquarters staff, and it enables enterprise customers, such as oil and gas exploration companies and construction firms, to give field personnel direct access to subject-matter experts. The solution offers the superior quality of Cisco TelePresence video and audio to remote, tactical locations where this level of immersive communications has never before been possible.

Features and benefits of the Cisco TelePresence over Satellite Networks solution follow:

- Relaxed latency, jitter, and packet-loss thresholds allow the Cisco TelePresence meeting application to function effectively over real-world satellite networks.
- Qualification and testing of Type 1 encryption devices with the Cisco TelePresence solution enable military-grade security for TelePresence calls.
- New network and environment recommendations provide guidance for remote, tactical, and even mobile deployments of TelePresence.

Applications

Military

A semipermanent military base is set up in a region of political unrest and a military security force is deployed. However, there is little or no access to terrestrial network connectivity or bandwidth. Secure and precise communication between senior staff and field commanders is essential to the execution and success of their missions. The Cisco TelePresence over Satellite Networks solution provides immersive communication experience with military-grade security equipment. Tactical units are able to receive clear and secure communications and effectively carry out their mission while keeping senior staff constantly updated on the tactical situation.

Enterprise

A large oil and gas exploration company established a drilling platform 100 miles off the coast of Mexico. With the Cisco TelePresence over Satellite Network solution deployed at the drilling platform, the company is able to scale scarce technical expertise and maintain a secure and direct line of communication with the field operation. Furthermore, personnel stationed at the platform are able to stay connected with family and friends through the Cisco TelePresence application.

Summary

These applications are just a few of the innovative ways the Cisco TelePresence over Satellite Networks solution can help organizations establish secure and reliable connectivity to remote tactical locations. It enables organizations to scale valuable resources and maintain a high level of engagement with field operations. With Cisco TelePresence over Satellite Networks, you can unlock the boundaries of collaboration and extend the reach of your Cisco TelePresence experience to the remote corners of the globe like never before.

Cisco TelePresence Service and Support

Critical to delivering the innovative Cisco TelePresence experience are integrated lifecycle services from Cisco and our Certified Partners. Designed specifically for multisite organizations, these services accelerate a successful deployment for Cisco TelePresence over Satellite Networks.

For More Information

For more information about Cisco TelePresence over Satellite Networks, visit: <http://www.cisco.com/go/telepresence> or contact your local Cisco account representative or authorized Cisco partner.



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