



## Logistician Case Study

### iDirect Technologies VSAT Solution Supports the US Army 'Connecting the Logistician Program'

#### The Customer Challenge:

The US Army Combat Service Support (CSS) group's role is to man, arm, fuel, fix, and move the force. CSS forces deployed in Iraq often needed to deliver requisitions for parts or supplies by courier to a location from which they could be transmitted electronically. These deliveries frequently meant driving through hostile terrain, exposing them to possible enemy ambush.

The Army needed a reliable communications system that would help reduce or eliminate the need to deliver requisitions or data in person. They needed a system that could:

- Work wirelessly from any location in the theater of operation
- Be deployed quickly and easily
- Provide broadband data rates to support high volume transmissions
- Support FIPS140-2 encryption
- Support any mission critical application

In addition, the Army wanted a proven technology that could be integrated into their overall communications strategy, and easily duplicated anywhere. And, it needed to do it while utilizing reliable standards compatible with traditional communications methods.

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### The iDirect Solution:

The CSS SATCOM selected the iDirect VSAT (Very Small Aperture Terminal) technology combined with the AVL TracStar auto acquisition antenna.

This solution was chosen based on its ease of deployment and management, broadband transmission speed, the ability to support multiple Virtual LANs (VLANs) on a single link, cost effective bandwidth delivery and QoS support of applications such as VoIP and VTC. FIPS140-2 was also a critical selection criteria.

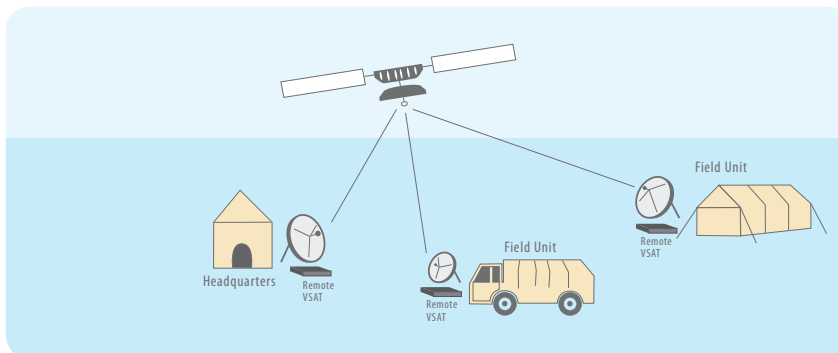
The solution included fixed, auto acquisition deployable, and fly-a-way systems. The iDirect router provides a satellite modem, IP router, TCP optimization over satellite, and QoS/prioritization all in one easy to deploy solution. It's also the only FIPS 140-2 encryption certified VSAT available.

The iDirect solution not only provides a reliable, easy to deploy communications system that can link Army logistician to headquarters, it can support any IP centric application, allowing them to requisition parts, attend meetings via VTC, and do a number of other tasks.

### Solution overview

Combining the iDirect VSAT solution and the auto acquisition antenna, remote units have quick broadband IP network capability from the field. Logisticians have all the broadband power to handle their requisition and supply responsibilities, and the flexibility to support any other communication needs.

The ability to support this functionality over multiple networks in a shared environment, not only increases the efficiency of remote units, it also reduces the need to deliver requisitions or communications in person. And, with FIPS 140-2 certified link encryption and NIPRNET connectivity, the iDirect solution provides cost effective bandwidth to support all secure and non-secure communications.



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