



RADWIN Wireless Broadband Used to Establish Emergency Communications at Airplane Crash Site

Case Study

"RADWIN's wireless broadband systems allowed us to set up communications at the airplane crash site extremely fast. The systems overcame environmental challenges to provide non-stop, high quality connectivity when it was needed most."

A. Tsitrin, CEO, DORIS Wireless Operator

On August 22, 2006, Russian airplane Tupolev-154 crashed in a remote field in eastern Ukraine, some 45 kilometers north of the city of Donetsk. All passengers aboard were killed.

In the aftermath of the crash Russian and Ukrainian emergency crews were rushed to the scene. One of the challenges was to quickly establish a communications infrastructure that would allow emergency crews on site to communicate with the Emergency Command Centers that were set up in Donetsk, Kiev and Moscow, and to coordinate their relief efforts.

The communications infrastructure also had to serve the media, who sought to report on events to millions of homes in Russia, Ukraine and the world.



RADWIN Wireless Broadband Used to Establish Emergency Communications at Airplane Crash Site

Reliable Backhaul with WinLink™ 1000

The regional department of Ukraine State Telecom operator (UKRTelecom) worked together with Wireless Operator JSC “DORIS” (Donetsk) to set up emergency communications in the field.

DORIS deployed RADWIN's WinLink™ 1000 wireless broadband systems to enable the transmission of voice, video and data from the crash site to the Emergency Command Center in Donetsk, and from there – via the PSTN network – to command centers in Kiev and Moscow. RADWIN's high-speed links were also used to backhaul WiFi traffic in the WiFi zone established at the site, enabling emergency crews to communicate freely and securely.

RADWIN for Mission-Critical Applications

RADWIN's WinLink™ 1000 provided an essential communications infrastructure to emergency crews and First responders (Police, Fire), as well as to the media, enabling the Press and TV to provide live coverage of unfolding events.

A. Tsitrin, CEO of DORIS stated: “RADWIN's wireless broadband systems allowed us to set up communications at the site extremely fast. The systems overcame environmental challenges to provide non-stop, high quality connectivity when it was needed most.”

Case Study Overview

Challenge:

Establish a critical communications infrastructure at an airplane crash site to support relief efforts of Emergency Crews and First Responders (Fire, Police).

Solution:

RADWIN's WinLink™ 1000 wireless broadband systems. Links are deployed in under an hour, providing radio connectivity over long distances with high capacity.

About WinLink™ 1000

Carrier class performance

Designed for robust performance in all environments, including nLOS and harsh weather conditions.

Most cost-effective price

More competitive than any other wireless solution of similar performance levels.

Voice and Data solution

A single link accounts for all your telephony and data needs (up to 4 E1/T1 ports and 2 Ethernet ports).

Quick installation

Link is established and running in less than an hour.

Long range

Up to 80 Km/ 50 miles.

Simple operation

Maintenance free; no learning curve.

Immunity to Interference

WinLink™ 1000 employ robust mechanisms to ensure reliable communications in interference-ridden environments.

Security

AES 128-bit key encryption scheme guarantees over-the-air security.