



Application Scenario:

Adventure Hiking (Cell Phone Coverage)

The Situation

Scottsdale and Phoenix, Arizona firefighters performed a mountain rescue at Pinnacle Peak Park. A 19-year-old female hiker fell on the eastern side of the trail and had suffered a leg injury, according to Tiffani Nichols with the Scottsdale Fire Department.



Scottsdale and Phoenix firefighters performed a mountain rescue at Pinnacle Peak Park

After the fall, the victim was unable to walk and the only way for her to get help was her cell phone. This story has a happy ending as she was still within cell coverage and able to call for help. But had she been on the other side of the mountain when she fell, her call may have been blocked by the mountain and out of the cellular coverage. This happy ending could have turned into a tragedy.

The Solution

An integrated satellite-terrestrial communications network, currently being developed by SkyTerra Communications will provide ubiquitous wireless

broadband services, including Internet access and voice services, throughout North America. This network, using commercially available handsets, will offer significant advantages over existing wireless networks. Such potential advantages include vastly expanded and improved phone coverage as well as higher data speeds, lower costs, and flexibility to support a range of custom IP applications and services.

SkyTerra Overview

SkyTerra is developing its hybrid satellite-terrestrial communications network, based on SkyTerra's patented ancillary terrestrial component (ATC) technology. The company expects its next-generation network will provide seamless, transparent and ubiquitous wireless coverage of the United States and Canada to conventional handsets. SkyTerra plans to launch two of the most powerful commercial satellites ever built. These satellites will provide a platform for interoperable, user-friendly and feature-rich voice and high-speed data services. SkyTerra's network will enable communications in a variety of industry segments including public safety, homeland security, aviation, transportation and entertainment.



SkyTerra's next-generation network is expected to provide seamless, transparent wireless coverage throughout North America

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