Gogo Announces its Next Generation Global In-Flight Internet Technology - 2Ku

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Expects New Technology to Outperform Other Connectivity Solutions in the Global Commercial Aviation Market

ITASCA, Ill., April 8, 2014 /PRNewswire/ -- Gogo (NASDAQ: GOGO), a leading aircraft communications service provider to the global aviation industry, announces the next step in its technology roadmap for global connectivity - 2Ku. Gogo expects this new technology to outperform other global connectivity solutions currently available in the market. Japan Airlines is expected to be among the first to trial this advanced technology.

This new technology will utilize the same low-profile antennas as Gogo's Ground to Orbit (GTO) technology, which will be deployed for aircraft flying in North America; however, instead of utilizing Gogo's Air to Ground solution for the return link to the ground, 2Ku will have two low-profile, high efficiency Ku-band satellite antennas. The new technology will deliver peak speeds to the aircraft of more than 70 Mbps.

"Gogo has proven time and again that it's the leader in developing and operationalizing new technologies for the aero market. 2Ku is the next step in our technological evolution and is a ground breaking new technology for the global commercial aviation market," said Gogo's president and CEO, Michael Small. "When we launched our in-flight Internet service five years ago, we were able to deliver peak speeds to the aircraft of 3.1 Mbps through our ATG network. About a year ago, we began deployment of our next generation ATG-4 service, which took peak speeds to 9.8 Mbps. Our GTO solution takes the peak speed to 70 Mbps in the U.S. and 2Ku brings 70 Mbps to the rest of the world."

The advantages of the 2Ku antenna are significant. The antenna is approximately two times more spectrally efficient than other antennas in the commercial aviation market, which means it will produce more bandwidth at less cost. The spectral efficiency also makes it the most TV friendly solution in the market. The antenna itself is only 4.5 inches tall, which reduces drag on the aircraft compared to other satellite solutions. 2Ku's performance benefits will be even more dramatic in the tropical regions of the globe where other satellite solutions degrade significantly due to restrictions associated with operating at high skew angles.

The 2Ku antenna and its increased spectral efficiency are compatible with today's Ku satellites and future Ku satellites, including future spot beam satellites. Because the antenna can be used with any Ku-satellite, it avoids the single point of failure that comes with reliance on a single satellite for connectivity in a given region, and offers airlines much desired redundancy and reliability.

"We anticipate that this technology will deliver peak speeds of 70 Mbps to the plane when initially launched and more than 100 Mbps when new spot beam satellite technologies become available," added Gogo's chief technology officer, Anand Chari.

Gogo expects the new service to be available for the commercial aviation market in mid-2015. You can watch a stream of the press event here: gogo.to/fastestinflight.

About Gogo

Gogo is the global leader of in-flight connectivity and wireless in-flight digital entertainment solutions. Using Gogo's exclusive products and services, passengers with Wi-Fi enabled devices can get online on more than 2,000 Gogo equipped commercial aircraft. In-flight connectivity partners include Aeromexico, American Airlines, Air Canada, AirTran Airways, Alaska Airlines, Delta Air Lines, Japan Airlines, United Airlines, US Airways and Virgin America. In-flight entertainment partners include Aeromexico, American Airlines, Delta Air Lines, Japan Airlines, Scoot and US Airways. In addition to its commercial airline business, Gogo has more than 6,300 business aircraft outfitted with its communications services.

Back on the ground, Gogo's 700+ employees in Itasca, IL, Broomfield, CO and various locations overseas are working to continually redefine flying as a productive, socially connected, and all-around more satisfying experience. Connect with Gogo at www.gogoair.com, on Facebook at www.facebook.com/gogo and on Twitter at www.twitter.com/gogo.

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