



Press Release

Guardian Mobility & Flightcell partner to provide cost-effective Iridium Certus 100 satcom & cellular aviation solution

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Guardian Mobility and Flightcell International, global leaders in aircraft communications, have developed a first-to-market aviation communications system that provides cellular and satellite mid-band data and voice services to light fixed-wing and rotorcraft operators.

Flightcell's DZMx, an all-in-one cellular and satellite voice, data, and tracking system, will be complemented by the new Guardian Mobility G6 Iridium Certus 100 satellite terminal, adding 88kbps bi-directional satellite data connectivity. The new Guardian Mobility G6 is a one-box unit with Size Weight and Power (SWaP) advantage, proven to be a great solution for installation on smaller aircraft.

"This solution complements Flightcell's cellular connectivity and will offer new features, capabilities, and cost-effective aviation satellite communications that have not been seen before in this market", says Hamish Neill, Flightcell Vice President.

Integrating the Flightcell DZMx and Guardian Mobility G6 provides a reliable and global data service optimized for small, low-power equipment. Key benefits include:

Mid-band Bi-directional 88Kbps IP Data

The Iridium mid-band Certus service provides a cost-effective solution to global data transmission. Guardian's G6 uniquely provides uplink (transmission) speeds of up to 88kbps, making it ideal for data transmission from aircraft, including email, flight following and data monitoring, medical device data, images, and compressed video.

Iridium Messaging Transport (IMT)

Iridium Messaging Transport (IMT) service optimizes data transport across the Iridium network for small to moderate-sized messages, allowing increased data and reduced costs compared to Iridium Short Burst Data (SBD).

Two High-Quality Voice Lines

Operators will benefit from high-quality Certus satellite voice-based communication for up to two (2) simultaneous voice lines integrated into the aircraft audio system.

Significant Cost Savings

Operators can see significant cost savings when data is routed through the Flightcell DZMx cellular option and using the 88/88kbps data link of the G6 Certus satellite service when cellular is not available.

Simple Installation

Flightcell's and Guardian Mobility's small form factor devices provide an easy and cost-effective installation option to meet any connectivity requirements.

"We have a unique solution for aviation fleet operators, especially specializing in aerial fire, law enforcement, EMS and military operations" says Stephane Momy, Guardian Mobility COO. "Partnering with Flightcell combines aviation knowledge and market reach to help us further expand the capabilities we're able to offer to the market."

The Flightcell & Guardian Mobility Iridium Certus 100 solution is available from mid-2023.

For more information visit <https://www.guardianmobility.com/product-service/g6/> or <https://www.flightcell.com/certus> or visit Guardian Mobility (#C4012) or Flightcell (booth #C3811) at HAI Heli-Expo 2023.

About Guardian Mobility

More than just tracking, Guardian Mobility, empowers aircraft fleet managers and owner-operators with fundamental operational data to make timely decisions. The company introduced its first portable GPS tracking device in 2002, delivering location and status information. Since then, the brand has developed solutions to facilitate global aircraft tracking, two-way text messaging and voice communications between the aircraft and the ground. The products are approved for government-mandated Automatic Flight Following (AFF) and are used by fleet operators worldwide for Flight Data Monitoring (FDM) to support Flight Operations Quality Assurance (FOQA) and Maintenance Operations Quality Assurance (MOQA) as part of a Safety Management System (SMS). All Guardian Mobility devices, as well as third party tracking products, are visible via the company's web-based situational awareness and management tool – SilverEye Aviation.

About FlightCell

Setting quality standards since 2000, Flightcell is a leader in the global aviation communications systems and hardware industry, leveraging strong strategic relationships with aircraft manufacturers, industry partners and government. Flightcell's trusted all-on-one intelligent products are highly configurable for operational requirements, with focus on providing solutions to rotorcraft and turbo prop fixed wing aircraft that specialize in air medical, aerial firefighting, search and rescue, law enforcement, oil and gas and military operations.

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Media Contact

Jonathan McWatt
Marketing & Communications Director
+64 21 910 235
jonathan.m@flightcell.com