



GUARDIAN RELEASES UPDATED GMI CONNECT APP FOR SMART DEVICES

The GMI Connect app v4.1 complements and supports the G4, G4C, G4MX and G4MX2 Guardian product range and is designed to run on Android or Apple (iOS) smart devices (phone or tablet). The

GMI Connect app communicates with all the products via BT and allows for aircrews to:

- Send and receive free-form and editable pre-formed text messages
- Initiate Position of Interest (POI) mark current position and alert reports
- Configure the Guardian devices for automatic flight following (AFF)
- Provide additional telemetry unit (ATU) reports for NA and Australian firefighting
- Flight data monitoring system (FDMS) logging and external input triggered mapping events.



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NEW SERVICES WITH FLIGHTCELL DZMx

As Tier 1 system integrators of Flightcell products, Guardian can announce that it continues to add new services related to the DZMx product line. The following new services have been provided to new clients:



AERIAL FIGHTING

Today, Guardian has an enhanced single box solution for helicopter and fixed wing aerial firefighting using our G4MX2 (pictured left) device with the following features:

- Iridium satellite only or dual network modes with automatic & manual switching between Iridium and cellular networks. For areas that have cellular coverage, this provides lower cost and, if required, faster Additional Telemetry Units (ATU) and Automated Flight Following (AFF) update rates
- Real-time situational awareness, 2-way messaging, emergency alerting and manual Position of Interest (POI)
- Expanded I/Os allowing support for multi-region ATU combo contracts and custom ATU with external input generated Mapping event operations
- Support for both U.S. Forestry, NAFC OPS-014 and custom ATU contracts out of the box for buckets, tanks, combo and non-ATU operations.

Now utilizing the same architecture, we can confirm that we have integrated the Flightcell (pictured below) ATU functionality into our backend platform and can now provide the aerial firefighting capability using your DZMx.



CELLULAR VOICE/DATA IN COSMOPOLITAN AREAS

Guardian provides clients with both satellite and cellular data plans for the Flightcell DZMx to keep the cost down of tracking aircraft in real time. Satellite voice services are a key requirement especially for our law enforcement and emergency services clients.

However with cellular networks improving and clients operating at lower altitudes within cosmopolitan areas, there has been demand for more cost-effective voice services taking advantage of cellular services. Guardian has now provided a cellular voice option to our client that will bring major cost savings. With this comes the advantages of cellular data services in conjunction with the onboard WiFi option to connect to the DZM within the aircraft. This provides very cost-effective data transfer capabilities and is very useful when downloading aircraft Flight Data Monitoring information in real-time or automatically at the end of the flight.



PUSH-TO-TALK (PTT) VOICE

Iridium satellite PTT capability allows for the DZMx (certain models) to be used in the same way radio is operated, i.e., a channel exists for all to hear and communicate, therefore providing an all-informed network. Aviation organizations are starting to adopt this capability as cost is reduced and the benefits are realized. Guardian has provided the first PTT solution to an existing client that will be integrated into their ground infrastructure, therefore allowing operational ground staff the capability of communicating with all air assets at all times. The benefits are as follows:

- If voice capability is a core requirement, then PTT offers lower overall operation cost of a circuit switch voice
- No delay with dialing and no voice latency due to network routing efficiency
- An all-informed network is the most effective command and control way to operate as everyone on the channel hears the communication and can contribute to the operation in real time
- Integrates other organizations using same capability, whether land, sea or air to ensure a common communications, i.e., police, ambulance, fire and rescue (as illustrated below)



GET IN TOUCH



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About Us

More than just tracking, at Guardian Mobility, we empower aircraft fleet managers and owner-operators with fundamental operational data to make timely decisions. Our Airtime and Billing as a Service solution are easy to deploy and tailored to fit your specific requirements.

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