SKYTRAC Enters Unmanned Aviation Segment with Innovative IMS-350 Iridium Certus Satcom Terminal

IMS-350 introduced as the lightest and smallest Iridium Certus-capable system available

KELOWNA, BC, March 16, 2021 – SKYTRAC Systems Ltd. (SKYTRAC), has entered the unmanned aviation segment with the development and launch of the Integrated Mission System 350 (IMS-350) terminal which features the Iridium Certus™ 9810 modem. This system will enable assured, pole-to-pole communications for Beyond Visual Line of Sight (BVLOS) operations, Command and Control (C2) applications, payload health monitoring, live video streaming, data transmission, AI-enabled sensor fusion, and more. By leveraging a recent partnership with Iridium as a Value-Added Manufacturer, Reseller, and ServiceProvider, SKYTRAC expands its market focus beyond fixed-wing and rotorcraft, into the unmanned aviation markets.

Through Iridium Global Line of Sight (GLOS) Certus℠ services, SKYTRAC's Integrated Mission System 350 (IMS-350) will provide 352 kbps uplink and 704 kbps downlink broadband speeds with latency under 500 milliseconds through a Low EarthOrbit (LEO) satellite connection.

Derived from SKYTRAC's certified Satellite Communications (Satcom) avionics, the IMS-350 incorporates numerous interfacesensuring a flexible architecture for systems integrators and OEMs. These include multiple Ethernet, ARINC-429, RS-232, RS-485, discrete input/output ports, and a CAN bus which allows microcontrollers and devices to communicate effortlessly.

"With the launch of the IMS-350, SKYTRAC now provides intelligent connectivity solutions to the manned and unmanned aviation markets," notes Jan van der Heul, SKYTRAC Vice President of Sales. "The IMS-350, which leverages Iridium Certus,is an innovative, powerful, and future-proof solution that fits directly into SKYTRAC's Iridium Certus product portfolio, complementing our many other applications and capabilities."

The IMS-350, which features a powerful multicore server, supports sensor-matched applications that can parse collected datato determine what to transmit in real-time to optimize Satcom service costs. The integrated smart router dynamically manages data traffic by prioritizing data throughput, ensuring efficient use of Satcom and cellular channels, improving operational efficiencies for a wide range of UAS mission profiles in all high-value industry segments, including aerial firefighting, offshore oiland gas, search and rescue, disaster relief, law enforcement, military and government, and more.

SKYTRAC

The IMS-350 is the lightest and smallest high-speed Iridium Certus Satcom terminal available today, and is contained in aneasily mounted, robust housing. For operations in urban areas, the incorporated cellular and Wi-Fi radios provide terrestrialconnectivity options. Combined with Iridium, cellular, and Wi-Fi antennas, the IMS-350 is the most comprehensive BVLOS connectivity solution available today for Group 2-5 UAV categories.

The IMS-350 program has secured launch customers operating as UAV manufacturers, systems integrators, Drone-as-a-Service providers, and advanced scientific research institutions.

For operators seeking a midband UAS Satcom solution, SKYTRAC has also launched the [Data Link System 100 (DLS-100)](#) [modem](#) capable of 22 kbps uplink and 88 kbps downlink, which will enable Command and Control (C2), limited video, and data transmission in a similar volume of the IMS-350. The ruggedized and IP67 compliant modem also leverages Iridium Certus pole-to-pole connectivity with 99.9% reliability and latency advantages over Geostationary Earth Orbit (GEO) satelliteconstellations. The modem is compatible with commercial and DoD SIM cards and also features remote management functionality through web or software API as needed.

As commercial unmanned aircraft increasingly replace legacy solutions, operators will require cost-effective, highly capable UAVs to accomplish increasingly complex tasks. The IMS-350 and DLS-100 are SKYTRAC's answer for UAS Satcomcapabilities, providing both datalink and custom onboard server capabilities for operators looking for reliable, robust, and proven global communications.

For detailed product specifications, please visit go.skytrac.ca/certus. To speak with a technical expert, please contact sales@skytrac.ca.

About SKYTRAC Systems Ltd.

SKYTRAC is aviation's full-service, data-driven solutions provider serving the fixed-wing, rotorcraft, and unmanned aviation markets. Since 1986, SKYTRAC has pioneered the development, evolution and commercialization of flight following, flight dataand communications technology. Today, with systems certified on over 900 airframes and an online data management portal that is the go-to tool for over 7,500 global users, SKYTRAC is truly the partner of choice for data-guided business insights. Fromperformance trending and operations reporting to real-time asset tracking and situational awareness – SKYTRAC offers a one- stop response to meeting more of your company's needs. For more information, visit www.skytrac.ca.

###

Media Inquiries

Reuben Mann
rmann@skytrac.ca
778-818-0180

SKYTRAC