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Innovative Solutions & Support Introduces Integrated Multifunction Standby Unit (IMSU) for Fixed and Rotary Wing Aircraft

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EXTON, Pa.--(BUSINESS WIRE)--Innovative Solutions & Support, Inc. (NASDAQ:ISSC) announced today that the Company has developed an Integrated Multifunction Standby Unit (IMSU) for a variety of fixed wing aircraft and helicopters. The IMSU measures, processes and displays altitude, attitude, airspeed, slip/skid and navigation display information into an intuitive and concise single instrument display.

The IMSU display format uses a Primary Flight Display (PFD) and Horizontal Situation Indication (HSI) to enhance situational awareness and reduce pilot workload. It features a high resolution LCD display with full LED backlighting improving component reliability and readability for pilots. The graphics are fully anti-aliased with unprecedented accuracy and detail. The display brightness adapts for cockpit lighting conditions via an integrated ambient light sensor.

“The IMSU includes the latest breakthrough in MEMS Gyro technology coupled with the unparalleled history of IS&S air data, RVSM and Flat Panel Display System (FPDS) product experience,” stated IS&S President Shahram Askarpour. “Combining advanced display technology with a versatile interface capability this product is suitable for retrofit and OEM applications.”

IMSU incorporates an integral Inertial Measurement Unit (IMU) including accelerometer, gyro and magnetometer triads. Utilizing these highly accurate data sensors along with a Directional Gyro (DG) mode the IMSU features 7 degrees per hour heading stability without use of external magnetometers. The IMSU includes an integral air data module to measure static and total pressure for independent display of altitude, airspeed and Mach number.

The unit has an optional battery module that provides one hour of operation of the unit during emergency conditions or complete electrical system failures.

Added options for the IMSU include: NVIS, external magnetometer interface, Standby Radio Management Unit, alternate navigator functionality and RVSM compliance.

About Innovative Solutions & Support, Inc.

Headquartered in Exton, Pa., Innovative Solutions & Support, Inc. (www.innovative-ss.com) is a systems integrator that designs and manufactures flight guidance and cockpit display systems for Original Equipment Manufacturers (OEM’s) and retrofit applications. The company supplies integrated Flight Management Systems (FMS) and advanced GPS receivers for precision low carbon footprint navigation.

Certain matters contained herein that are not descriptions of historical facts are “forward-looking” (as such term is defined in the Private Securities Litigation Reform Act of 1995). Because such statements include risks and uncertainties, actual results may differ materially from those expressed or implied by such forward-looking statements. Factors that could cause results to differ materially from those expressed or implied by such forward-looking statements include, but are not limited to, those discussed in filings made by the Company with the Securities and Exchange Commission. Many of the factors that will determine the Company’s future results are beyond the ability of management to control or predict. Readers should not place undue reliance on forward-looking statements, which reflects management’s views only as of the date hereof. The Company undertakes no obligation to revise or update any forward-looking statements, or to make any other forward-looking statements, whether as a result of new information, future events or otherwise.

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Contact:

Innovative Solutions & Support, Inc.
Jason Zywalewski, +1.610.646.9800 ext 609
jzywalewski@innovative-ss.com

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