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MANNARINO's Real-Time Operating System to Achieve Certification

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MANNARINO Systems & Software Inc. of Montreal, Quebec, Canada announces that its recently launched real-time operating system, M-RTOS will achieve FAA approval on a Part 23 program within 18-24 months.

The main factors influencing the M-RTOS selection for this program were affordability and compliance to ARINC 653 and RTCA/DO-178C. Furthermore, MANNARINO offers a unique one-stop shop for systems and software solutions including not only the M-RTOS but a full complement of engineering services including systems engineering (ARP 4754A) and safety support (ARP 4761). MANNARINO also provides delegate services for software and airborne electronic hardware certification.

"Servicing and supporting our customers is what MANNARINO is about. We continually strive to embrace their needs: tailoring our service delivery to meet customer goals, objectives and requirements while dealing with their constraints. This hallmark of service and support success is a crucial element of our M-RTOS product offering and has been instrumental in how we have positioned ourselves relative to industry competitors. We stand with customers to ensure efficient and effective delivery of their products and assist in supporting these products for their useful life," said John Mannarino, President.

M-RTOS is a modular, flexible and affordable operating system for a wide range of aerospace applications, from Commercial Off-The-Shelf (COTS) electronic hardware to federated LRU (Line-Replaceable Unit) aircraft systems, to IMA (Integrated Modular Avionics) platforms. M-RTOS was developed to minimize memory and timing usage and outperform the competition on key benchmarks. M-RTOS guarantees robust spatial and temporal partitioning and can run on microprocessors incorporating memory protection. The M-RTOS integrated development environment, MANNARINO Workbench, is an Eclipse-based tool suite that employs a modern web-based help system and a role-based approach structured to easily accommodate concurrent collaborative development with large distributed teams.

Montreal-based MANNARINO has two decades of internationally recognized expertise in aerospace engineering including the development, validation and verification of safety-critical systems, certifiable software and electronic hardware. It is also an accredited Transport Canada DAO (Design Approval Organization). The company is the only COTS RTOS supplier with certification delegation.

For further details visit MANNARINO at www.mss.ca or contact Mario Iacobelli, Senior Product Manager at Mario.Iacobelli@mss.ca