**Cobham Deploys DDC-I’s Deos Safety-Critical RTOS in its**

**RT-7000PMR Airborne VHF/UHF AM-FM Tactical Radio**

**Phoenix, AZ – February 5, 2018.**  DDC-I, a leading supplier of software and professional services for mission- and safety-critical applications, today announced that its Deos DO-178C certifiable real-time operating system has been deployed by Cobham Aerospace Communications in the company’s RT-7000PMR airborne VHF/UHF panel-mount tactical radio.

“We’re pleased that Cobham has deployed Deos as the safety-critical RTOS platform for its new best-in-class airborne tactical radio,” said Greg Rose, vice president of marketing and product management at DDC-I. “Our field proven RTOS and its extensive DO-178 certifiable avionics pedigree provide the perfect software foundation for Cobham’s new software-defined radio.”

Cobham’s RT-7000PMR (Panel Mount Radio) supports the full spectrum of airborne VHF and UHF, AM/FM communications from 29.7 MHz to 960 MHz, with up to three (3) embedded and individual transceivers, providing the equivalent capability of three (3) individual radios in one compact form factor. Each radio can perform P25 conventional digital modulation over the full VHF and UHF spectrum. With the addition of Motorola APX-8000 based transceiver modules, the RT-7000 can cover any requirements for P25 trunking, including Phase 2 trunking and Motorola-proprietary radio network features.

The RT-7000PMR features front panel-programmability with up to 3000 preset channels, programmable scan groups, multi-key FIPS-140-2 encryption and a best-in-class multi-color NVIS Green B-compliant touchscreen display. Push-to-Talk facilitates on-the-fly connection of up to two external devices, including hand-held radios, mobile phones, and SATCOM handsets.

DDC-I’s Deos is a field proven, safety-critical, avionics RTOS that has been utilized to host a multitude of flight critical functions, such as air data computers, air data inertial reference units, cockpit video, displays and flight instrumentation, flight management systems, engine management, and many more.  Built from the ground up for safety-critical applications, Deos was first certified to DO-178 DAL A in 1998, and is the only certifiable time- and space-partitioned COTS RTOS that has been created using RTCA DO-178, Level A processes from the very first day of its product development.

Deos features deterministic real-time response as well as time and space partitioning. Deos also features patented slack scheduling and cache partitioning, which enables it to deliver higher CPU utilization than any other certifiable safety-critical COTS RTOS. Deos is supported on x86, ARM, and PowerPC microprocessors.

**About DDC-I, Inc.**  
DDC-I, Inc. is a global supplier of real-time operating systems, software development tools, custom software development services, and legacy software system modernization solutions, with a primary focus on mission- and safety-critical applications. DDC-I’s customer base is an impressive “who’s who” in the commercial, military, aerospace, and safety-critical industries. DDC-I offers safety-critical real-time operating systems, compilers, integrated development environments and run-time systems for C, C++, Ada, and JOVIAL application development. For more information regarding DDC-I products, contact DDC-I at 4600 E. Shea Blvd, Phoenix, AZ 85028; phone (602) 275-7172; fax (602) 252-6054; email [sales@ddci.com](mailto:sales@ddci.com) or visit <https://www.ddci.com/pr1801>.