

**Paramount PDS Again Cited for 'Exemplary Performance' by Raytheon
For Direct Digital Rapid Manufacturing of Key Components**

Langhorne PA—For the second consecutive year, Paramount PDS, a leading product development specialist, has been cited for exemplary performance by Raytheon IDS for achievement in direct digital rapid manufacturing of key components for an advanced mine-hunting sonar system and other defense programs.

The citation was announced during ceremonies at Raytheon's Integrated Defense Systems offices in Tewksbury, MA on Wednesday, June 19. Representing Paramount were Jim Williams, CEO, and Renee Flynn, the technology specialist who led the development team working on the Raytheon AQS-20 system components. Paramount is one of 22 companies selected from 3,000 suppliers to receive Raytheon's 2007 Supplier Excellence Award.

The AQS-20 system incorporates five separate sonar systems in a compact, lightweight and hydrodynamically stable vehicle that can be towed from a helicopter or will be deployed in the future with an unmanned undersea vehicle (UUV). Raytheon produces the advanced-technology systems for the U.S. Navy.

Paramount's technical challenge was to develop a rapid manufacturing process and material capable of achieving certification for withstanding the demands of an underwater environment and successfully produce the specialized fairings to precise specifications in an direct digital rapid manufacturing mode. A total of 38 fairings were manufactured for each AQS-20 system.

Jim Williams, president of Paramount, noted that virtually every aspect of Paramount's product development experience and expertise was involved in serving Raytheon's needs in 2006. "Rapid prototyping, advanced materials research and application as well as our state-of-the-art direct digital rapid manufacturing skill sets convened to meet stringent requirements of the AQS-20 program and other military programs. It was truly a team

effort that involved every business unit's capabilities within our organization. We are extremely proud of this recognition two years in a row, said Williams.

Direct digital rapid manufacturing is an emerging technology that produces chemical-resistant and robust thermo-plastic components direct from 3D-CAD solid model input, thus dispensing with the need for costly and time-consuming tooling. The technology is well-suited to a variety of applications where relatively low quantities of thermo-plastic components are required.

Paramount PDS is among the world's most experienced providers of product development services, including design engineering and analysis, rapid prototyping, rapid tooling and new direct digital rapid manufacturing technology that produces custom parts direct from digital input. Founded in 1966, the company's headquarters and principal engineering and manufacturing facilities are in Langhorne PA.

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