



Delivering Decision Critical Data™

Ironhawk Press Release

Ironhawk Awarded PWS Task Order by United States Army Material Command, Logistics Support Activity (LOGSA)

LOS ANGELES – September 19, 2011 – Ironhawk Technologies, Inc., the global leader in delivering decision critical data over narrow band satellite communication networks, today announced that on September 16, 2011, it was awarded a task order by the United States Army Material Command, Logistics Support Activity (LOGSA) under DoD Blanket Purchase Agreement #W91QUZ-11-A-0003 (<https://chess.army.mil/ascp/commerce/index.jsp>) for the DoD Enterprise Software Initiative (<http://www.esi.mil>).

LOGSA serves the Army community by providing vital information necessary for planning, conducting, and maintaining war fighting capability world-wide through a number of web-based applications collectively known as the LIW. The responsiveness and timeliness of LOGSA's applications are vital to the war fighter, as the overall speed at which LOGSA's various systems can deliver that information to its users is a key factor to the success of the war fighter's mission.

Modern data management systems that depend on web-based data transfers use technology designed with an inherent assumption that users connect to their systems over relatively reliable and high-speed network links like those prevalent in North America. LOGSA's users, however, are located around the world and connect through heterogeneous, encrypted, and often wireless/satellite links, resulting in less reliable networks with lower bandwidth availability and reliability. Web-based information systems designed for the "always-on" network are significantly less efficient under these conditions due to the lack of robustness in the end applications, and due to the frequent over-use of bandwidth for re-sending failed transmissions or acknowledging/re-acknowledging transmissions under constrained conditions.

SmartSync®'s Advantage Over Competing Approaches

A common approach typical of many other solutions is to deploy a simple compression algorithm like LZW (GZIP, WinZip, etc.) or separate TCP protocol enhancements for all web traffic. This approach does not address dropped packets, frequent disconnects, or differentiate types of web traffic to optimize compression and delivery, which may actually result in more bandwidth consumption in certain situations. Protocol enhancements are also difficult to implement without changes to the OS kernel or TCP stack. Ironhawk's solution employs compression with retry-on-disconnect to ensure delivery of payload to the client even with packet loss and frequent disconnects. In addition, Ironhawk's solution uses delta compression which is superior to standard LZW-based compression algorithms on certain payloads. Where standard compression might achieve a 5:1 reduction in bandwidth utilization, delta compression has been shown to achieve a 50:1 or even higher reduction in bandwidth utilization. Ironhawk's proven combination of multiple compression techniques combined with reliable transport results in much lower use of bandwidth than LZW type compression or separate protocol enhancements.

Authorized government agencies and purchasing authorities are alerted that Ironhawk Technologies, Inc. is a self-certified minority-owned small business. To order or if you have any questions, contact David Gomes, President & CEO, Ironhawk Technologies, directly at dgomes@ironhawk.com or 310-815-2810

About Ironhawk Technologies, Inc.

Ironhawk's mission is to deliver decision critical data throughout the last tactical mile to the tip of the sword over narrow band satellite communication networks. Its customers include major branches of the U.S. Armed Forces, and several of the largest defense contractors and systems integrators. Ironhawk's technology is built to address the critical importance of speed, guaranteed delivery and accuracy as the catalysts that enable intelligent decision making in the theater of operations. The cornerstone of Ironhawk's solution is its SmartSync® DCS Platform, which integrates compression, transport, synchronization and content management, thus enabling the fast delivery of heterogeneous, complex data across the global theater. For more information about Ironhawk, visit www.ironhawk.com.