



NEWS RELEASE

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New PacStar® Module Adds REDCOM Interface for Tactical Radios to Deployed Unified Communications Systems

PacStar 421 module integrates REDCOM eXtended Radio Interoperability (XRI) into widely used PacStar 400-Series Tactical Communications Systems

SOF Week (Booth #1143), TAMPA, FL – May 9, 2023 – [Curtiss-Wright's Defense](#)

[Solutions division](#) has introduced a new PacStar 400-Series tactical computing module, developed in collaboration with REDCOM Laboratories, Inc., that supports radio gateway services for modern and legacy radios. With embedded REDCOM Sigma XRI technology, the [PacStar 421](#) seamlessly bridges the gap between disparate VoIP and RoIP radio systems used by military units, government agencies, and public safety organizations. The module leverages existing radio assets to enable these organizations to instantly connect to each other, regardless of the radio network, endpoint, or frequency they use.

The PacStar 421 pairs with a tactical sever, such as the [PacStar 451 Server Module](#), to enable direct Ear and Mouth (E+M) interface to tactical radios. As a combined solution, the PacStar 421 and PacStar 451 enable radio users to communicate directly with other users on any SIP endpoint, while enabling the radios to be controlled and patched together on-the-fly via the REDCOM Sigma C2 Console app. What's more, access to the full range of [PacStar 400-Series](#) family of modules – including processors, routers, switches and servers – provides system designers the flexibility to select the exact processor module solution their application requires.

“We are very excited to collaborate with REDCOM to add REDCOM XRI functionality to PacStar 400 Series tactical communications ecosystem,” said Dominic Perez, CTO, Curtiss-Wright Defense Solutions division. “The combination of PacStar and REDCOM technologies gives operators the best of both worlds, delivering a proven full-featured C2 platform that uses a single interface for controlling RoIP and SIP endpoints and for voice, video, and chat.”

“PacStar and REDCOM have worked closely together for several years, but this is the first time we have executed joint development to create a fully integrated product,” said REDCOM Strategic Lead John Kelliher. “REDCOM's robust and proven C2 communications solution converges IP- and RF-based communications, enabling real-time interoperability at the point of attack. Integrating REDCOM C2 technology with PacStar's modular systems greatly reduces complexity while allowing users to leverage multiple, disparate means of communication to ensure interoperability in complex and contested combat environments.”

About REDCOM Sigma

REDCOM Sigma is a resilient and intuitive C2 software platform with a small footprint, a simple licensing model, and a highly interoperable architecture. The C2 platform of choice for the U.S. Army and U.S. Air Force, REDCOM Sigma was selected by the U.S. Army as the call control software for its Program Executive Office Command, Control, Communications-Tactical (PEO C3T) network modernization efforts.

About the PacStar Family of Leading Battlefield Solutions

The industry-leading PacStar family of advanced communications solutions addresses a wide range of military, intelligence, and commercial applications. Curtiss-Wright created and manufactures COTS-based rugged, small form factor expeditionary and mobile communications systems. Separately, it developed integrated, network communications management software, [PacStar IQ-Core Software](#), for the military, federal, state/local government, and emergency responder markets. The company's patented IQ-Core Software, hardware technology, and integrated solutions provide secure, command, control, and communications systems, particularly in remote or infrastructure starved areas. In addition, PacStar communications systems are ideally suited for

commercial/industrial organizations with mission-critical field communications requirements.

A live demonstration of the PacStar 421 and REDCOM Sigma will be presented during SOF Week, May 8-11, Tampa Convention Center, Tampa, FL, in Curtiss-Wright's booth #1143.

The product sheet for PacStar 421 module is available for download [here](#).

For additional information about Curtiss-Wright Defense Solutions products, please visit www.curtisswrightds.com, LinkedIn, and Twitter @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets. Headquartered in Davidson, North Carolina, the company leverages a workforce of 8,100 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships. For more information, visit www.curtisswright.com.

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