Kestrel TSCM ® Professional Software

Software Defined Radio (SDR) Engineering Excellence

Paul D Turner, TSS TSI

Kestrel TSCM Professional Software ™ | Certification

This newsletter is being written having just completed yet another very successful Kestrel ® Certified Technical Operator (CTO) ™ program at our Resident Training Centre (RTC) ™ in Cornwall Ontario.

Advanced concept training is an essential part of the procurement process for any TSCM equipment resource and in particular for software that brings an entirely new deployment approach to the industry for the first time.

As noted in the July 2018 newsletter.

"Kestrel ® is not only an easy to deploy and navigate advanced spectrum analyzer, in which all features are operator centric with modern new capability that is only possible with an experienced approach to advanced software engineering and an informed understanding of real world deployment requirements".

The second and perhaps equally essential practice is to regularly update the software to advantage the continuous stream of new features that are specifically attributed to new threat technology identified by our Technical Research and Standards Group (TRSG) ™ virtually every day.

Our experienced technical operators and software engineers work in concert to identify, design and develop new tools and advanced resources to counter, not only today's threats, but also ensure tomorrows anticipated threat technology can be effectively neutralized before they appear in the wild.

Powerful new features that bring real-world solutions to the public and private sector operators, can be intimidating at first glance, however, the choice between embracing change and breaking obsolete methodology, and applying modern techniques that simply are not found in expensive and mostly obsolete tools that are based on business models and design strategy of the cold war era is simply not adequate in a modern moving target threat model.

The modern "everything" wireless sweep environment clearly requires a different standard of practice to dramatically improve the Probability of Detection (POD).

The Kestrel TSCM ® Professional Software accomplishes this by working on the leading edge of the sinister trade-craft environment of espionage to bring a technologically sophisticated and fresh approach to Technical Surveillance Countermeasures (TSCM) and all but eliminate the inherent limitations of single box systems that quickly become expensively outdated.

What sets the Kestrel TSCM ® Professional Software apart from other equipment resources, is the unique ability of the operator to define and control the mission parameters, quickly shifting from one mode of operation to another as required in today's budget savvy procurement environment and being empowered to do a lot more with a lot less.

Perhaps of significant importance, every software release provides new and improved cutting edge technology based on todays threat environment, with a clear focus on tomorrow's threat environment realities.

The Kestrel ® TSCM Professional Software is always a work in progress with unique operator centric TSCM and SIGINT resources that support mission specific SDR hardware options from 1 Hz to 50 GHz across 9 key industry manufacturers with 37 hardware models supported.

With the release of the technologically superior Signal Hound [SM200A] Spectrum Monitoring Receiver, the game has shifted to a new standard with the tremendous advantages of Software Defined Radio (SDR) technology.

The TSB 2000 (Technical) Standard ™ defines a modern deployment concept and methodology that empowers the technical operator in ways never before possible within a low cost of ownership scalable platform.

Powerful advanced features such as a Heat Mapping Display (HMD) ™ with multiple deployment algorithms, Time Differential Signal Analysis (TDSA) ™ filtering, Command Line Programming (CLP) ™ allowing remote network alerting including EMAIL and SMS messaging, Multiple Receiver Operation (MRO) ™ with hand-off, which is simply not available on competitive products, and the only software with an "on-the-fly" Probability of Intercept (POI) calculator.

Our Receiver Differential Signal Analysis (RDSA) ™ allows the software to essentially become any number of independent advanced spectrum monitoring analyzers with direct multiple receiver overlay, and our new Waterfall Peak Search (WPS) ™ tool and the ability to capture triggered IQ samples and playback IQ within the application, or hand-off IQ capture to another receiver is fully supported, as is the ability to operate within the real-time bandwidth of the hardware in our Intermediate Frequency Broadband (IFB) ™ mode are just a few of the powerful features.

Corporate News

There have been a number of operational changes at Professional Development TSCM Group during the past couple of months to better reflect and represent the increasing market share worldwide.

Paul D Turner, TSS TSI

President | CEO

Paul formerly, held the position of Corporate Director dating back to 2004 has now taken on the responsibility of President | CEO effective immediately.

Andrzej Wolczanski, TSS TSI

Director Global Technical Operations

Andrzej has been with the company since 2009 and has overseen the design and manufacturing of the TSCM KestrelPod | Ultra Wideband Surveillance Antennas (UWB-SA) ™ expertly manufactured in-house, will now take on the challenging position of Director Global Technical Operations effective immediately.

Gabriele Conflitti, TSS

Director Global Operations

Gabriele has taken on the challenge of a new position within the corporate structure as Director Global Operations and will over see operational and administrative tasks, including client relations, marketing and sales support responsibilities.

Product Announcement | Coming Soon!

We are pleased to announce that the Kestrel ® Power Line Energy Probe has now passed TRSG ™ qualification testing and has been approved for manufacturing production.
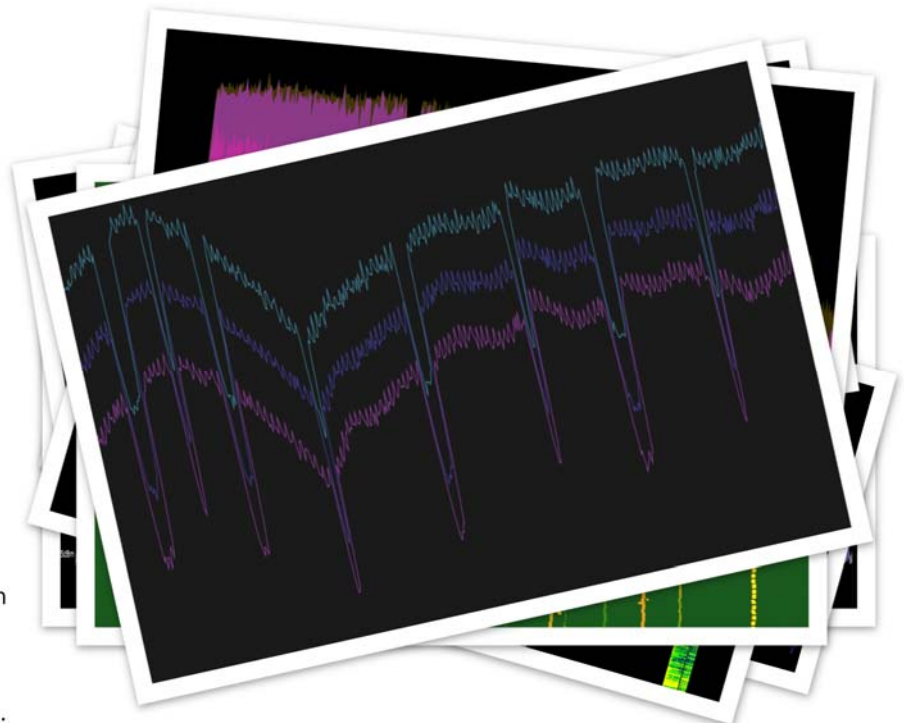
We are taking advance orders for this product and already have purchase commitments for the first production run.

Our Power Line Energy probe design includes a RAW GRD only output and an attenuator controlled PWR REG output to examine the Live and Neutral conductors. Complex test protocol switching is simply not required.

To learn more about, "what you don't know" and what the competition doesn't what you to know" about the Kestrel TSCM ® Professional Software, contact Professional Development TSCM Group Inc.

| www.pdtg.ca | www.kestreltscm.com | pdturner@pdtg.ca |

Innovation is Simply the Beginning...

Kestrel TSCM ® Professional Software is innovative industry leading, disruptive technology, sold in 36 countries worldwide.