Kestrel TSCM ® Professional Software

TSCM IQ Recorder Automation for Manual and Triggered Capture!

Paul D Turner, TSS TSI

TSCM IQ Capture

The Kestrel TSCM ® Professional Software includes a powerful IQ Capture and Playback feature as a standard included feature that is fully integrates a powerful IQ Recorder at the application level.

This essential feature continues to get better and better with an aggressive and highly focused development schedule.

TSCM is a unique application that requires a equally unique approach to feature development and integration of demodulation, visualization, and analytical analysis of extremely complex signal and band level spectra.

The Signal Hound SDR hardware products provide a powerful IQ Streaming capability up to 165 GHz of real-time bandwidth, when combined with the Kestrel TSCM ® Professional Software.

This powerful integration brings to market, one of the most powerful TSCM products, in decades.

Without analytical IQ recording and playback capability, the modern spectrum warrior cannot effectively analyze the complexities of a modern ambient radio-frequency (RF) spectrum environment.

Methodology is a powerful motivation and weaponized techniques are utilized to capture at the earliest opportunity, a suitable IQ sample for the Signal of Interest (SOI).

Failure to capture an IQ sample of the a potentially hostile signal may result in a permanent lost opportunity to identify positively identify a compromising emission.

The TSB 2000 (Technical) Standard ™ identifies Analytical IQ Capture and Playback as a must have resource in a modern wireless spectrum environment. IQ is a qualifying requirement in conducting a competent TSCM inspection. If the equipment resource does not have IQ capability, it is time to upgrade!

Remember, in a Moving Target Threat Model the Technical Operator is the Spectrum Analyzer...

Signal Hound (SM435C)

The SM435C is now available for purchase via authorized Signal Hound distribution partners. TSCM standards have changed, and accessing **mmWave** signals is fast becoming a new necessary trade-craft element that must be integrated into the routine.

mmWave threats are not new, but becoming technologically feasible for the threat actor. The focus remains sub-6 GHz for the most part, but it is necessary to understand that new threats now exist with the new 802.11ax WIFI band and this requires additional attention above 6 GHz (SM200B/C for example).

20 GHz is a new recommended minimum standard for medium to high threat-level inspections, and at ultra-threat protocols, 44 GHz is the new recommended standard, taking the operator into the **mmWave** for the first time.

The Kestrel TSCM ® Professional Software is well positioned to search from 1 Hz to 44.2 GHz, with Signal Hound products across a radio-frequency (RF), power line and optical threat technology.

Vilution Ltd., Appointed Master Distributor

We would like to welcome Rebecca Kairouz, director of the United Kingdom and France based company, as our master distributor of the Kestrel TSCM ® Professional Software for the UK, EU and other regional territories.

Rebecca is well-positioned and qualified to provide direct distributor and end-user local customer support. Technical support, training, certification, and a wide range of new business opportunities and projects are in the works to better support our growing market share in the EU, and beyond.

Our growing international distribution network continues to provide better focus on end-user support with local resources. This end-user focused concept is the very foundation that the mighty Kestrel ® business model, was founded.

Rebecca has considerable experience across the technical security industry and can provide the end-user with exceptional support, based on real-world requirements.

Kestrel ® provides a powerful real-time threat management enhanced, software development strategy to address new and evolving threat actor technology...

Kestrel TSCM ® Professional Software
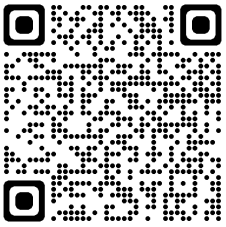
Canadian Technical Security Conference (CTSC 2023)

University of Calgary | Downtown Campus

Professional Development TSCM Group Inc.   **Technical Security Branch (TSB)**

Canadian Technical Security Conference (CTSC 2023)

The event planning is well underway and we are getting considerable interest in the 2023 exposition, even at this early stage.

It is never too early to get involved!

We are calling out to interested speakers, presenters, and exhibitors. The registration process is now open for all interested participants.

CTSC ™ is on track for 2023 after pandemic related postponements the past couple of years.

The event is confirmed to take place at the University of Calgary in the heart of Alberta Canada for the first time in the 15-year history of the Canadian Technical Security Conference (CTSC) ™.

Join the best of the best that are attracted to this one of a kind professional development and network building event.

Registration is now open for participant attendance; a select number of exhibitors, and there are excellent opportunities for presenting at CTSC 2023.

Please visit the CTSC website or contact us for additional information, or just give us a call to discuss your interest!

All Things Kestrel | Virtual Classroom

Looking for free Kestrel ® training? Join us for the monthly WebEx instructor led sessions, learn about Kestrel ® and many other TSCM related topics.

These sessions are open to all licensed Kestrel TSCM ® Professional Software technical operators and entities.

We support all Kestrel ® TSCM technical operators and turn technical operators into professional spectrum warriors!

All Things Kestrel | Virtual Classroom is run across (2) time zone options, to better accommodate global technical operators.
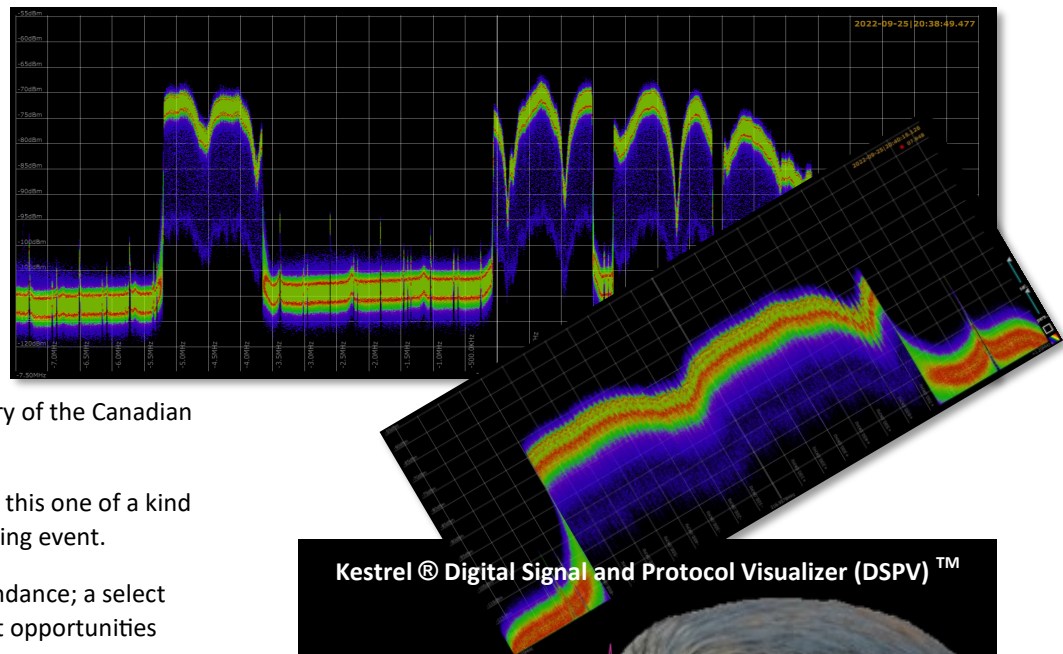
Professional Development TSCM Group Inc.

Technical Security Branch (TSB)

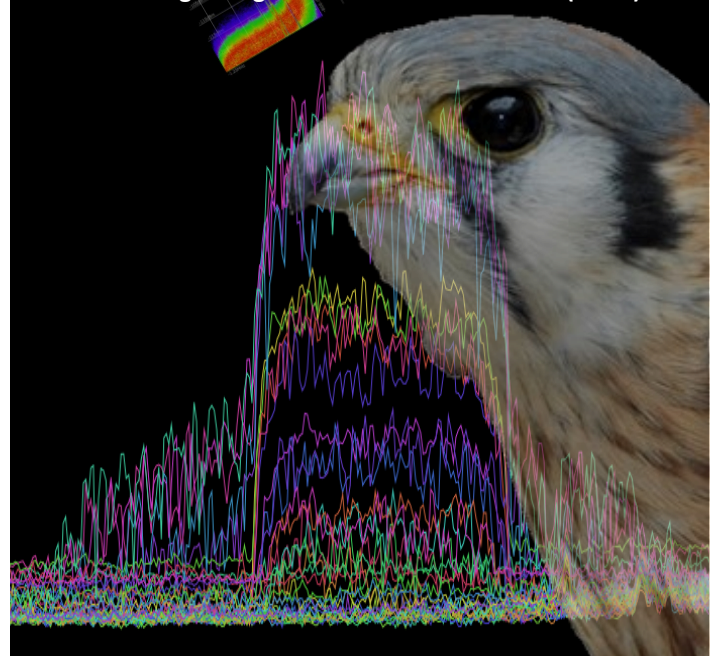| **www.pdtg.ca** | **www.kestreltscm.com** | **www.ctsc-canada.com** |

Paul D Turner, TSS TSI | President | CEO | pdturner@pdtg.ca
Andrzej Wolczanski, TSS | awolczanski@pdtg.ca
Carol Fairbrother | CTSC Event Manager | cfairbrother@pdtg.ca

Kestrel ® Digital Signal and Protocol Visualizer (DSPV) ™

Kestrel TSCM ® Professional Software is innovative industry leading, disruptive technology, sold in **57** *countries worldwide!*