

Kestrel TSCM[®] Professional Software

The Importance of TSCM Software Feature Integration

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Technical Research and Standards Group (TRSG)

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Command Line Programming (CLP)[™]

The Kestrel TSCM[®] Professional Software, has achieved a new milestone with the introduction of Command Line Programming (CLP)[™], adding the ability to generate a wide range or < event handler > triggers such as threats, new CTM, DAA (exceedance), DAA (loss), scheduler events, recording limits, and many other end-user, to be defined, mission specific CLP[™] < event handlers >.

Command Line Programming (CLP)[™] < actions > include the ability to send email and SMS network alerts, generate system actions, audio, and event notifications.

CLP[™] is a very powerful feature recently added to the Automatic Export Control (AEC)[™] | OPT AEC module. Aside from powerful triggered event alerting, CLP[™] provides mission based capability for commercial TSCM operators, and professional SIGINT oriented capability, such as hand-off for ECM command and control, IQ hardware analyzers, alarm sensor (violation) alerting, and other powerful mission oriented < actions >.

As noted in the April 2018 newsletter.

“One of the key deployment advantages of the Kestrel TSCM[®] Professional Software, is the ability to utilize a common user-interface, across all available shared features, functionality, and optional software modules”.

The Kestrel TSCM[®] Professional Software masterfully integrates each independent TSCM specific feature around a common user-interface, for exceptional operator situational awareness.

As an example, our new geo-location based Heat Mapping Display (HMD)[™] allows the technical operator to localize Signals of Interest (SOI) across Dual Receiver Operation (DRO)[™] and Multiple Receiver Operation (MRO)[™] deployment configurations.

Whether you are a professional commercial technical operator, corporate security entity, law enforcement agency, government, military, or national security apparatus — mission specific integration is essential.

Kestrel[®] is an operator centric TSCM | SIGINT application that provides mission specific hardware support options from 1 Hz to 50 GHz.

With the release of the technologically superior Signal Hound (SM200A) Spectrum Monitoring Receiver, the game has decidedly shifted to the tremendous advantages of Software Defined Radio (SDR).

The SM200A is a significant milestone, in a technology space that changes every 2 to 3 years. If your spectrum analyzer hardware is more than a few years old, it is simply not up to the task.

The SM200A is the 3rd generation of advanced Software Defined Radio (SDR) hardware from Signal Hound since 2009, resulting in speeds from 150 MHz / Sec, to 24 GHz / Sec, to the present 1 THz / Sec.

When agile Software Defined Radio (SDR), integrates, automates, and outputs operator defined and filtered analytical spectra, and other essential measurement parameters over an appropriate period of field deployment time, as defined by the TSB 2000 (Technical) Standard[™], a true and relevant picture of the radio-frequency spectrum emerges.

The application of combined feature sets during runtime, define a modern moving target threat model, with a focus on the fundamentals of detect, capture, and analyze, with all the operator centric advantages of near real-time signal analytics.

Signal level analytics, based only on a “snap-shot” style review of the RF spectrum, provides an uncomfortably low POD, and will almost always fail to identify significant signal event relationships, patterns, and RF signatures (characterization), leaving the technical operator, and often the client, with a false sense of security.

Dynamically applied Location Differential Signal Analysis (LDSA)[™], and Time Differential Signal Analysis (TDSA)[™] provide unprecedented analytical capability.

Kestrel TSCM[®] Professional Software

“Kestrel[®] TSCM | Multi-Tasking By Design”

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Technical Security Branch (TSB)

The ability to quickly capture virtually all spectral events within the ambient RF spectrum environment, in a short period of time, or during an extended deployment period, is the only current method of advancing the POI and POD within a defined target area.

The ability to deploy multiple high-speed Software Defined Radio (SDR) hardware, such as the Signal Hound SM200A (100 kHz to 20 GHz), with the ability to easily sweep the full receiver bandwidth, at speeds up to 1 THz per second @ 30 kHz RBW, provides for the first time, the ability to advance the Probability of Intercept (POI), and essentially see discrete spectrum events.

The ability to independently assign multiple receivers while maintaining a common unified user-interface is possible utilizing RDSA[™] with a powerful multiple layer spectrum display, with the ability to drop in overlay spectrum across all connected receivers.

The real power is the unified user-interface and integrated feature sets, such as the ability to display Signals of Interest (SOI), against location, or time periodic peak trace spectra.

Canadian Technical Security Conference (CTSC 2018)

The 13th Annual Canadian Technical Security Conference (CTSC) proved to be a success with participants attending from the private sector and government entities from across North America and internationally.

Signal Hound was well represented with the new SM200A demonstrated for the first time in Canada, along with the Kestrel TSCM[®] Professional Software.

The planning is well underway for the 14th Annual Canadian Technical Security Conference (CTSC 2019), confirmed at NAV Centre in Cornwall Ontario from Tuesday April 02, 2019 to Thursday April 04, 2019

CTSC[™] is the longest running technical security conference with a dedicated TSCM | SIGINT track.

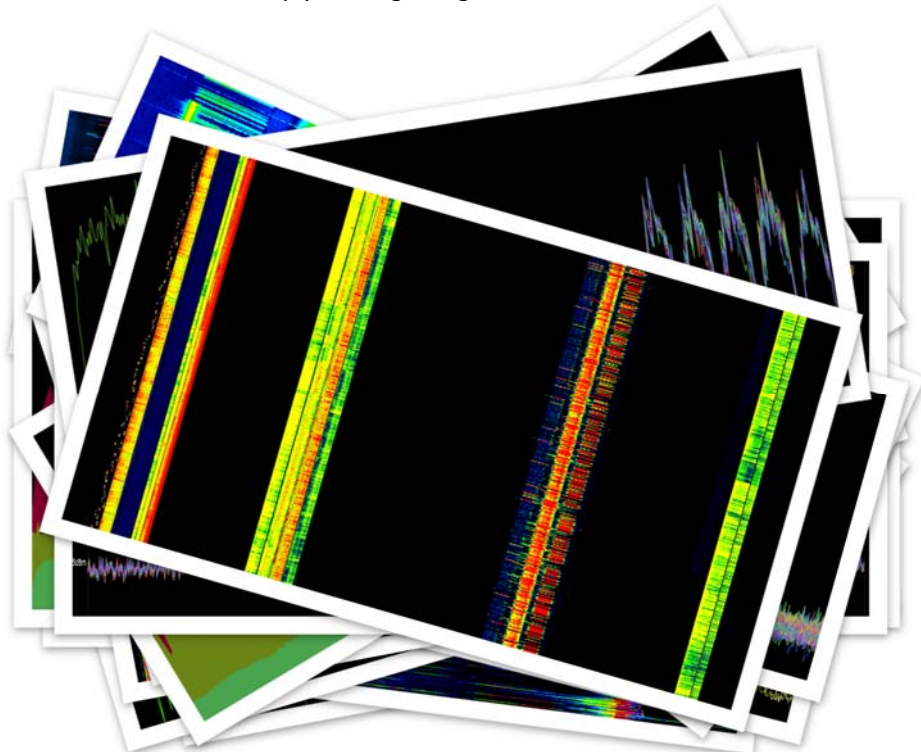
At an industry price point of just \$3,495.00 (Canadian Dollars) + OPT AEC[™] at \$495.00 (Canadian Dollars), means that you can have a modern Software Defined Radio (SDR) application for \$3,990.00 (Canadian Dollars) — Incredible value!

Depending on the end-users mission specific SDR hardware requirement, the overall financial investment can be 3 to 10 times less than competitive systems that simply can not perform at the same level, in a modern moving target threat level.

You gain new never before seen TSCM specific features and functionality that are operator centric and support a range of new and recurring revenue streams.

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 the Technical Research and Standards Group (TRSG), at Professional Development TSCM Group Inc. | www.pdtg.ca | www.kestreлтscm.com | or Paul D Turner, TSS TSI at pdtturner@pdtg.ca

Innovation is Simply the Beginning



Kestrel TSCM[®] Professional Software is innovative industry leading, disruptive technology, sold in 30 countries worldwide.