

Kestrel TSCM[®] Professional Software

Distributed RF (Antenna) Switch Support

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Technical Research and Standards Group

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The overwhelming popularity of the Kestrel TSCM[®] Professional Software within the corporate sector and government national security roles for TSCM and SIGINT mission specific applications continues to expand internationally at an astounding rate.

Professional Development TSCM Group Inc., has witnessed a massive growth in sales for advanced training for the Kestrel TSCM[®] Professional Software across the globe and our instructional team has run sold out Certified Technical Operator (CTO)[™] training events across Canada, United States of America, United Kingdom (UK), France, Belgium, European Union (EU) and Australia (AU).

We are looking forward to the new year which marks yet another exciting milestone for Professional Development TSCM Group Inc., with the 20th anniversary of the TSB 2000 (Technical) Standard[™]; the basis for our Technical Security Specialist (TSS)[™] designate certification program, the Canadian Technical Security Conference (CTSC)[™], Canadian Technical Security Professional Association (CTSPA)[™], and the same standard that is the foundation of the Kestrel TSCM[®] Professional Software development process.

As noted in the May 2019 newsletter.

"The ability of the technical operator to utilize the Kestrel TSCM[®] Professional Software as a total assignment-based report generator and database manager has a profound impact and ability to reduce report writing requirements by hundreds of working hours every year! Even using modest calculations, I personally spend approximately 1820 hours a year writing complex technical reports for on average 280 technical inspections annually across three (3) technical operators. The ARG[™] is expected to reduce this workload from approximately 6.5 hours per full inspection report, to approximately 1.5 hours per inspection report, or just 420 hours a year, realizing a work load reduction of 1400 hours a year. This represents the working equivalent of 58.3 days every year".

The concept of a "moving target threat model" continues to gain credibility worldwide and has become synonymous with the Kestrel TSCM[®] Professional Software methodology and the TSB 2000 (Technical) Standard.

Our unique business model provides the ability to meet the real-time requirements of government and military mission critical applications by implementing specialized feature sets never before implemented in a dedicated TSCM product; everything else is really just a spectrum analyzer.

Automatic Antenna Module (AAM)[™]

Our latest support profiles for external hardware based RF (Antenna) Switches significantly enhances Remote Spectrum Surveillance and Monitoring (RSSM)[™], capability that may require multiple radios to be deployed, or perhaps a range of specialized antennas.

Support for DC to 18 GHz hardware that supports remote command and control across fully integrated software for (USB) capability.

Multiple switched antennas can feed a single radio or a single antenna can feed multiple switched radios.

The deployment of Multiple RF (Antenna) Switch hardware is fully supported and permits any combination of supported hardware to be remotely controlled.

For example, any combination of 2-port and 4-port hardware can be deployed to control any combination of antenna or radios.

The technical operator can build complex antenna sensor arrays at a very low cost rather than the requirement of a large number of more expensive remote radios when advanced switching is possible.

Full USB 2.0 support for the Mini-Circuits 2-port and 4-port (DC to 18 GHz) and the 6-port (DC to 12 GHz) RF (Antenna) Switches are available.

These products are relative low cost and offer significant advantages in building unique custom deployment systems at the facility level or geo-located based applications.

Kestrel TSCM[®] Professional Software

IQ Capture is and Essential Analytical Tool

What is the IQ of Your Radio?

Professional Development TSCM Group Inc.

Technical Security Branch (TSB)

Additional support for Ethernet command and control and advanced programmability is currently under development to enhance the capability beyond USB 2.0 control.



Support for the selection and hand-off of multiple RF (Antenna) Switches allows unique custom solutions to be realized.



Kestrel IQ (KIQ)[™] Analytics

The ability to capture, record, convert, playback and loop IQ within our own proprietary KIQ format, or industry standard RAW CSV and WAV formats provide significantly enhanced analytical capability.

Our latest addition to the KIQ feature now permits longer capture files to be (start | stop) time-reference edited to produce sub-sampled playback looping.

Several additional Demodulation Visualizer and IQ processing features are currently under development and will be rolled out in the coming weeks.

One of these advanced features is the ability to save time-referenced sub-sampled captures as new files.

Often, IQ files will contain periods of inactivity before and / or after perhaps a single burst signal event.

The ability to loop only the Signal of Interest (SOI) during playback of a large IQ file is fully support, and the ability to save the time-referenced sub-sample as a new separate KIQ file will be rolled out soon.

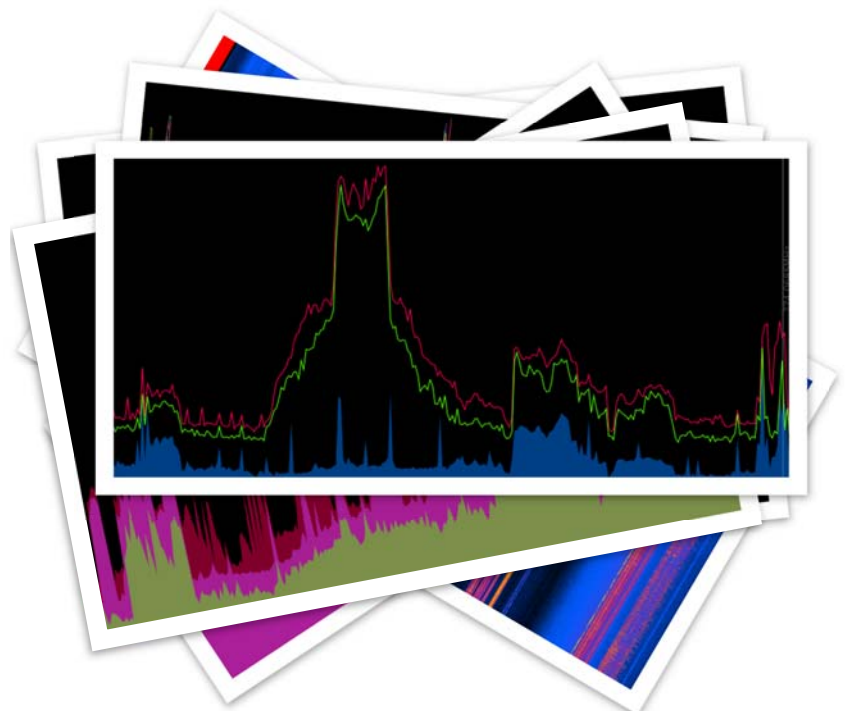
United Kingdom (UK) Training Opportunity

3-Full Days: September 16, 2019 to September 19, 2019

Cost: \$395.00 CAD | Contact: sales@pdtg.ca

Innovation is Simply the Beginning!

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



Kestrel TSCM[®] Professional Software is innovative industry leading, disruptive technology, sold in 43 countries worldwide.