

Kestrel TSCM ® Professional Software

Standards-Based Total Energy Capture (TEC)™ and Tap Capture Plot (TCP)™ Dominate TSCM Industry!

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Technical Research and Standards

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Did You Know?

Tap Capture Plot (TCP)™ supports transitional capture of any number of manually placed Location Differential Signal Analysis (LDSA)™ locations, and supports transition to Tap Capture Plot (TCP)™ mode.



Manually placed DSA™ and TCP™ auto-locations can be selected for differential comparative, or displayed along with transitional TCP™ auto-locations on the dimensional geolocation heat map.

The Kestrel® methodology is uniquely build around a modern standards-based deployment strategy that is designed to identify all active energy across the Operator Defined Target Area (ODTA)™ and into the extended Functional Target Area (FTA)™ resulting in amazing spectral clarity for the first time in decades of cold war era obsolete concepts and complacency.

The recently added automatic Antenna Placement Distance (APD)™ feature brings more than 40 years of experience to our industry disruptive TCP™ technology, with operator-defined auto location collection points, based on our standards-based Antenna Placement Distance (APD)™ criteria, with a focus on actual field deployment conditions, all based on the technical operators assessment of the determined threat environment, deployment requirements, and sometimes time-on-target limitations.

These powerful TCP™ features are now available with the next automatic software update at v1.49.1 (or higher), or the full air gap installer.

Kestrel® Spectral Energy Localizer (KSEL)™

The next powerful new TCP™ advanced resource is a unique direction-finding capability that will be fully integrated with the existing Tap Capture Plot (TCP)™ platform, and the demodulation control and visualizer group.

This latest capability allows the operator to immediately transition from our dimensional geo-location heat mapping mode; to a radio-frequency direction-finding and localization mode, utilizing our Kestrel Transitional Spectral Energy Localizer (TSEL)™ capability.

The TSEL™ resource can be deployed in search of identified unintentional TEMPEST emissions, or a probable threat actor placed hostile Technical Surveillance Devices (TSD)™.

The TSEL™ feature is based on our vast technical experience in identifying hostile signals in the field. Kestrel® is the only standards-based TSCM focused application based on the TSB 2000 (Technical) Standard™.

Kestrel Lightning™ (KL Series) RTSA Hardware

It has been a long journey to establish credible radio hardware options that provide a meaningful solution for TSCM and SIGINT applications. The vast majority of so-called TSCM equipment resources, fail to establish meaningful specification declarations.

Signal Hound and ThinkRF Corporation have in many ways become the proving ground during the past decade for their quality and relevance as advanced software defined hardware options, suitable for the TSCM, SIGINT, ELINT, and RSSM™ roles specific to technical security.

Due to a lack of any significant competitive innovation along the way during the development of the Kestrel TSCM® Professional Software it has become quite obvious that entitlement and poor business models, have become the way of doing business for some in the industry, and perhaps more importantly, it has been the end-user community that has suffered with expensive, repackaged, sub-par technology, and an unwillingness to advance beyond monopolistic sales considerations.

It is these industry actions, which the Kestrel® brand was modelled upon back as far back as 2009, with strong industry innovation, low cost, high interoperability, and new industry core technology based on a standards-based approach.

Team Kestrel® has been engaged in complex research and development efforts since 2019 to identify and develop suitable RTSA hardware options.

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

Kestrel TSCM ® Professional Software

Introducing the Kestrel Universal Spectral Translator (UST) and Kestrel ® Lightning SDR Hardware



Professional Development TSCM Group Inc.

Technical Security Branch (TSB)

The (KL Series) RTSA hardware bring powerful new capabilities to the Kestrel ® TSCM Professional Software. This research has resulted in the new Kestrel ® Lightning (KL Series) of RTSA radio hardware intended for full integration in the most powerful TSCM tactical drop box ever available (official release pending) with dual radio configurations from 9 kHz to 40 GHz.

Our powerful KL63, KL95, KL220 and KL400 radios are now a reality and are in the final testing and integration phase. Stay tuned (pun intended)!

Canadian Technical Security Conference (CTSC 2024) ™ 



CTSC 2024 will be held in Calgary Alberta Canada from Tuesday April 23, 2024 to Thursday April 25, 2024 given the overwhelming success of the CTSC 2023 event.

CTSC 2024 will be our 16th annual event; after 3-years of COVID cancellations, and will be hosted at the University of Calgary Downtown Campus.

Professional Development TSCM Group Inc., is running an advanced 7-day Certified Technical Operator (CTO) ™ and Certified Government Technical Operator (CGTO) ™ program the week prior to the CTSC conference, from Monday April 15, 2024 to Saturday April 21, 2024, also at the University of Calgary. Please contact us for additional information or visit the official CTSC 2024 website at <https://ctsc-canada.com>

Our low CTSC 2024 registration fee is just \$575.00 CAD and includes our hospitality night networking event on the (first evening); our dinner and awards night, on the (second evening); a tasty working lunch is included during each day of the conference. Registration is always open for participants, exhibitors, sponsors, advertisers, and speakers.

CTSC 2024 is shaping up to be a professional development opportunity, simply not to be missed!

Hawk-Eye Optical (Photonic) Probe Kit ™ 

The Kestrel ® Hawk-Eye Optical (Photonic) Probe Kit ™ is a superior TSCM optical detection solution with a unique cascaded; passive design, with incredible sensitivity.

Innovation, based on a year of scientific research and development led to our unique discovery and ability to build a low cost wide optical detection and classification resource.

Simple, low-cost, high sensitivity technology that rivals competitive optical sensors costing considerably more, and competitive solutions that are totally ineffective for the TSCM role.

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



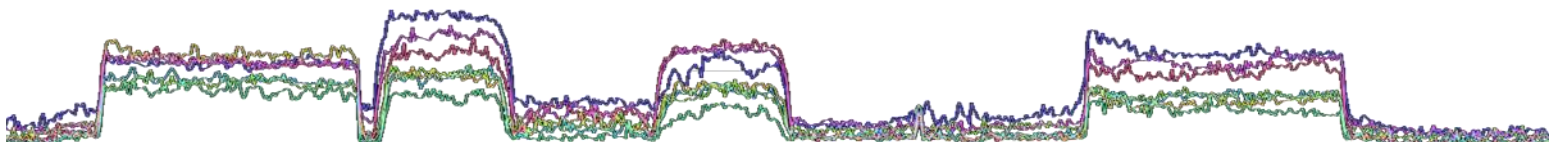
*Innovation is Simply
the Beginning!*

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Kestrel TSCM ® Professional Software is innovative industry leading, disruptive technology, sold in 59 countries worldwide!