An EWOS Evolution

The latest chapter in Lockheed Martin Canada’s history of EW Operational Support Environments - Coronis® - brings a next generation solution to maximize operational effectiveness in support of current and future EW systems and operations.

If you are interested in Coronis®, visit our website to learn more: www.lockheedmartin.ca

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In Service Now

Out of the box, Coronis® provides a fully functional core EW Framework consisting of a Data Warehouse, Analysis Tools and customizable Work Flow. Quality Assurance is built into the Work Flow process to ensure it is an integral part of establishing operational confidence.

Easy to use configuration tools provide organizations with the capability to fully customize not only the data representation, but the Work Flow process to suit their needs.

Cohesive Data Set

At the heart of Coronis® is the Data Warehouse which provides a single consolidated data repository for all EW Operations.

Extensible and Flexible

Designed with extensibility and flexibility in mind, Coronis keeps pace with an ever changing EW landscape and provides a feature rich User experience.

Organisations can choose between Oracle, SQL Server or MySQL database engines. Other database engines can be implemented if required.

Simplified data model extensions allow for inclusion of any format. Acoustic, Communication, Electro-Optic and Infrared, IED remote detonation, and many more.

Coronis® improves the ability to support data fusion for battlefield awareness, ship and aircraft Command and Control, Civil unrest and emergency situations, and maritime enforcement agencies.

Service Oriented Architecture Provides Flexibility and Growth

Coronis® leverages a service oriented architecture to provide the ability to rapidly respond to changes, as well as providing application program interfaces for external applications such as OEM EW System mission data generators.

Scalable

Instantiations of Coronis® can be layered in a hierarchical nature. Possible configurations include stand-alone (i.e. laptop), client/server application and web-based applications.

Tools

The Coronis® core Toolset includes Ambiguity Analysis, Intercept Analysis, WorkFlow with Quality Assurance, Customisable Data Outputs, Mission Planning and general OOB, EOB, Emitter, Platform and Weapon Reports.

The Customisable Data Output tool can create tailored xml or csv outputs for import into OEM Mission Data generators and other third party tools.

Custom Tools

The Coronis® SOA architecture provides a framework for the addition of custom tools to address requirements unique to each organisation. Automated data importing and purpose built Mission Data Generators are but two of the possibilities.

Imports - Source data import tools provide a powerful, efficient and accurate time saving tool by avoiding manual data entry that is prone to error. Lockheed Martin Canada has extensive experience in creating custom data imports in many formats including csv, xml, fixed message format (Intercept), database to database, etc.

Mission Data Generators - Built to meet the specific requirements for EW systems, Coronis® MDGs automatically provide fully colourised data in OEM mission data format. Colorisation is rules based, ensuring accuracy of cohesive Mission Libraries that are guaranteed reproducible.