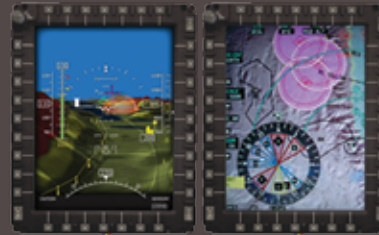# SecureOne™ Cross Domain Technologies

SecureOne™ Display

SecureOne™ Network

SecureOne™ Guard SecureOne™ Storage SecureOne™ Processor

Where open systems architecture and multilevel security converge.

Rockwell Collins' SecureOne™ Cross Domain Technologies are a family of high assurance technologies for military tactical systems to enable increased situational awareness through trusted multiclassification information sharing. Additional benefits to the user are reduced user workload and a reduction in size, weight and power over many traditional approaches.

The SecureOne Cross Domain Technologies are the next step in Rockwell Collins' fielded open systems architecture to add the capability to protect multiple levels of classified information being handled simultaneously.

KEY BENEFITS

> Increased situational awareness through trusted information sharing

> Reduced user workload

> Reduced size, weight and power over many traditional approaches

KEY FEATURES

> Open architecture MILS processing, cross domain, communication, display, and storage of multiple classification levels of data

> Certifiable, high assurance environment for tactical systems

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The SecureOne™ Cross Domain Technologies are based on a scalable design which allows the technologies to be utilized individually or collectively to meet the system needs.

The technologies consist of five key building blocks:

- SecureOne Processor
  - A processing technology and architecture that supports multiple applications executing simultaneously with data at different classification levels
  - Forms the foundation of the SecureOne Guard, SecureOne Display and SecureOne Storage, and can host other security applications
  - Separation kernel with guest operating systems

- SecureOne Guard
  - A high assurance guard, which is a software application that resides in a partition of a SecureOne Processor, capable of autonomously mediating information flow between security domains based on a configurable ruleset
  - Supports both unidirectional and bidirectional information flows

- SecureOne Network
  - A network architecture that supports multiple processors and applications executing simultaneously with data at different classification levels and communicating with each other
  - Internet protocol network
  - Single physical cable

- SecureOne Display
  - A display technology and architecture that supports the simultaneous access, display and input of data at different classification levels

- SecureOne Storage
  - A storage technology and architecture that supports the receipt, storage and retrieval of data at different classification levels simultaneously
  - Internet protocol network attached storage

Today, manned and unmanned military aircraft perform missions that require simultaneous processing, communication, display and storage of data at different classification levels. With the use of the SecureOne Cross Domain Technologies, those aircraft can securely process, communicate, display and store data at different classification levels, without needing to install physically separate equipment to securely protect the classified data, thus resulting in the user having access to unclassified and classified data on the same display and a reduction in SWaP on the aircraft.

The SecureOne Cross Domain Technologies are being developed as an upgrade to Rockwell Collins' existing solutions and products, and for availability in new solutions and standalone products.

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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