FIPS140-2 Consulting Services

Your smart companion for FIPS140-2 validation

RED ALERT LABS
IoT Security

Following a FIPS140-2 Cryptographic Module Validation program requires specific knowledge on security criteria and methodology. Red Alert Labs, an independent consulting company, is assisting Vendors on their effort to meet FIPS140-2 validation program. These services are conducted in various ways, from initial workshops dedicated to FIPS140-2 validation to the complete documentation set effort.

FIPS140-2 Workshops //

The success of a FIPS140-2 validation mostly relies on the preparation effort and on the impact analysis between the standard requirements and the Cryptographic Module development.

In order to get a clear understanding of the FIPS140-2 requirements, Red Alert Labs proposes a dedicated workshop, usually at the beginning of the project, covering a detailed presentation of FIPS140-2 requirements, reviews of dedicated checklists and an analysis of potential risks on the Product's validation process. It concludes by a gap analysis report with an action plan.

FIPS140-2 Documentation Services //

As a product developer, you can rely on Red Alert Labs to assist you in the FIPS140-2 documentation set, such as the Cryptographic Module Security Policy, which is defining the security rules under which a Cryptographic Module operates, the Finite State Model and the Crypto-Officer or User guidance.

Vendor's inputs are usually required on product specification, operational and administrative functions of the product whereas Red Alert Labs services provide the necessary set of documentation that will meet the FIPS140-2 criteria.

Other Professional services //

Red Alert Labs assists the Vendor in the Product reviews with the CMT FIPS140-2 lab during the Validation Process and helps the Vendor for the organizational, technical or management discussions with the CMVP overseers (NIST & CSE).

Why choose Red Alert Labs? //

Red Alert Labs has significant expertise in cybersecurity, embedded systems, smart cards, IoT from chip to cloud, security architectures and security certification standards with Common Criteria, FIPS 140-2 and private schemes. Relying on its experts' unique experience, Red Alert Labs has earned the trust of several customers, and is recognized by the security labs community as a solid technical business partner.