



RSA® Laboratories RFID Security Assessment Service

RFID is a technology of great promise. You don't just want to deploy it; you want it done right. Solid security and privacy foundations are the best way to protect your investment in RFID for the long term. As RFID technology extends network perimeters, the RSA Laboratories RFID Security Assessment helps ensure that your defenses are up to the job. This fixed-price, high-value engagement will clearly explain your deployment's security strengths and weaknesses and deliver recommendations targeted to your business requirements. RSA Laboratories consultants have a strong reputation for their RFID security research, with numerous published scientific papers and pending and issued patents, as well as important media coverage.

AT A GLANCE

The primary deliverable of the Service is the RFID System Design Assessment Report, which contains the following:

- Summary of unique business requirements for your RFID security
- Threats and risks to your deployment and business
- System architecture review, highlighting sensitive information flows
- Recommended security options
- High-level next steps for security improvements

SERVICE OUTLINE

RSA Security understands that RFID systems are among the most cost-sensitive technology deployments. A careful balance must be struck between an organization's security challenges and the countermeasures employed. Because of this, the RFID System Design Assessment Service is flexible and can be tailored to your needs. Most service engagements include these activities:

Service Planning

Your RSA Laboratories consultant will plan the service activities with you, including schedules for onsite discussions and deliverables.

Onsite Interviews

RSA Laboratories experts visit your site to interview key individuals within your organization. They gather most of the information for the design and implementation review during the onsite visit.

Design and Implementation Review

While onsite, the RSA Laboratories consultant reviews the RFID deployment design and implementation characteristics with the system architects, software developers and business owners. The discussions cover potential threats, risks, security requirements, physical and logical environmental constraints and sensitive information flows.

Analysis and Evaluation

The analysis activities concentrate on ensuring that sensitive information is protected throughout its life cycle—from tag to reader to database. Potential vulnerabilities are highlighted and security mechanisms that can mitigate those vulnerabilities—while remaining mindful of the costs—are suggested.

Findings and Recommendations

The Service deliverable is a report documenting the service activities, findings and a phased approach for implementing recommendations. The document will be reviewed extensively with other RSA Laboratories experts to ensure top quality, prior to presenting it to you.



Confidence Inspired™

SERVICE OBJECTIVES

The RFID System Design Assessment Service will help meet these goals:

- Understanding your business's need for security in RFID, including counterfeiting, theft-prevention, public-relations, liability and other risks that inadequate security features may leave unaddressed,
- Analysis of potential vulnerabilities that can place sensitive information at risk of unauthorized exposure, duplication, corruption or loss and
- Examination of how to improve system security through RSA Security's patent-pending, anti-counterfeiting technology, cryptographic expertise and research in RFID-enabled government applications, while maintaining the balance between overall system security, cost and performance.

THIS SERVICE IS IDEAL FOR:

1. Semiconductor vendors introducing higher value wireless components with security features, especially in RFID, sensing and automation markets. These components may use standard RFID or other proprietary wireless protocols.
2. RFID tag vendors or integrators addressing pharmaceutical, defense, payments or other high-value tagging opportunities.
3. Implementers of high security tags and transponders, especially in pharmaceutical, payments, factory and building automation, and defense logistics operations.
4. Government applications including homeland security, identity, benefits transfer, vehicle and freight-container tagging, logistics for disaster recovery and payments.

WHY RSA SECURITY?

For over two decades, RSA Security has planned, designed and implemented information security solutions for leading businesses worldwide. Broad expertise makes RSA Security the ideal partner for assisting organizations with authentication solutions. Backed by RSA Laboratories' research, RSA Security develops innovative products and services that secure enterprises and applications for hundreds of millions of users. Our practical expertise in implementing security solutions resides in the Professional Services team, which transforms our industry-leading technologies into security solutions that deliver real business value to our customers.

OVERVIEW

Radio-Frequency Identification (RFID) is sweeping over the business world, and you're eager to reap the benefits. You're going to introduce hundreds or thousands of RFID readers and millions of RFID devices into your business, not to mention new servers, applications and databases. Of course, you wouldn't dream of setting up your network without the right security: strong authentication, firewalls and virus checkers. You know that an unprotected computer on the Internet doesn't stand a chance.

The success of your RFID deployment, like the success of your Internet business, demands a responsible and forward-thinking approach to security. Simple improvements during the design process today can help avoid security compromises tomorrow and save the legal and technical expenses of implementing security patches in the field, remedying compliance failures or cleaning up after data breaches.

With the Service, RSA Laboratories consultants use their expertise in security, privacy and anti-counterfeiting to assist in the design, planning and assessment of RFID and other wireless systems. To meet the varied needs of customers, the consultants evaluate countermeasures in existing deployments, offer design guidelines and design systems from the ground up.

The focus of the Service is on identifying system strengths and weaknesses. RFID security is about much more than just the tags; readers, middleware and databases have vulnerabilities of their own. RSA Laboratories consultants provide detailed security-enhancement recommendations for immediate, medium and longer-range corrective actions with your specific business and technical goals in mind. The Service provides a higher level of assurance for both you and your customers.

